DS+750

SERVICE MANUAL

020-000211-01

CHRISTIE®

CHRISTIE®

FILE NO.

SERVICE MANUAL

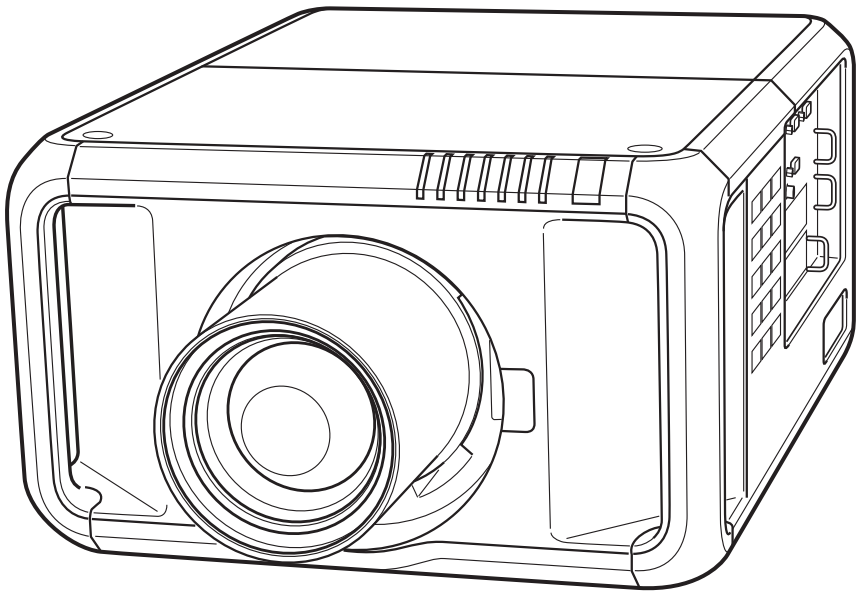
020-000211-01

Multimedia Projector

Model No. DS+750

U.S.A, Canada, Europe

Original Version



** Projection lens is optional.*

Chassis No. 103-023106-01-00

Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.
If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

PRODUCT CODE
1 122 477 29 (KJ5KL)

REFERENCE NO. SM5111097-00

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Safety Instructions

Safety Precautions

WARNING:
The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line (⏦) in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.

2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.

3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

Product Safety Notice

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of there parts must be made by exactly the same parts.

Service Personnel Warning

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.
Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages (15kV - 25kV) at its starts.
Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

Specifications

Mechanical Information

Projector Type	Multi-media Projector
Dimensions (W x H x D)	15.75" x 9.55" x 20.61" (400.0 mm x 242.5 mm x 523.5 mm)
Net Weight	43.65lbs (19.8 kg)
Feet Adjustment	0˚ to 5˚

DLP Chip

Projection System	0.95" Single DLP chip, High brightness color wheel x 2
Number of Pixels	1,470.000 pixels (1,400 x 1,050 dots)

Signal Compatibility

Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N
High Definition TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, 1080p, and 1080i
Scanning Frequency	H-sync. 15 kHz–120 kHz, V-sync. 48 Hz–120 Hz

Optical Information

Projection Lamp	330 W UHP lamp x 2

Interface

Input 1	DVI-D Terminal (Digital), Mini D-Sub 15-pin Terminal (Analog), HDMI
Input 2	BNC Type x 5 (VIDEO/Y/G, B/Pb/Cb, R/Pr/Cr, H/HV and V), S-Video
Input 3	Vacant
Input 4	Network Board
Monitor Output	Mini D-sub 15 pin
Other Jacks	Serial port in (D-sub 9), Serial port out (D-sub 9), USB port, and Wired Remote Jack

Power

Voltage and Power Consumption	AC 100–120 V (9.2A Max. Ampere), 50/60 Hz (The U.S.A and Canada) AC 200-240 V (4.4A Max. Ampere), 50/60 Hz (Continental Europe and The U.K.)

Operating Environment

Operating Temperature	41˚F–104˚F (5˚C–40˚C)
Storage Temperature	14˚F–140˚F (-10˚C–60˚C)

Remote Control

Battery	AA or LR6 Type x 2
Operating Range	16.4' (5 m/±30˚)
Dimensions	1.79" (W) x 1.03" (H) x 6.24" (D) (45.5 mm x 26.2 mm x 158.5 mm)
Net Weight	4.1 oz (117 g) (including batteries)

Accessories

Owner's Manual (CD-ROM)	Quick Reference Guide	AC Power Cord
Remote Control and Batteries	VGA Cable	PIN Code Label
Cable covers (support cover & cover)	Fixing bracket for power cord	Rich color reproduction color wheel x 2
Ferrite core (for LAN cable)	Strap x 2	Cable tie x 3
Real Color Manager Pro (CD-ROM)		

● The specifications are subject to change without notice.

c UL us LISTED

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

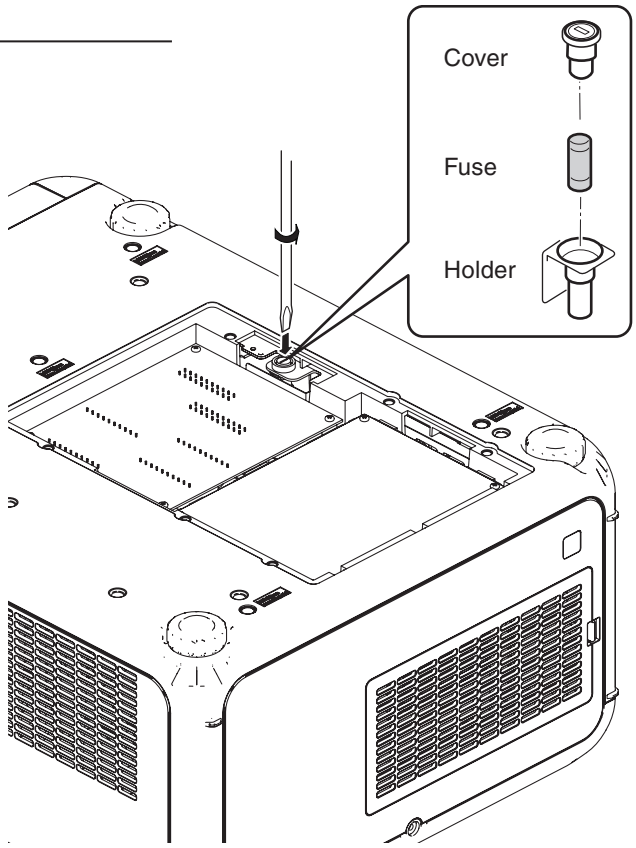
Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Fuse

A fuse is located at bottom of the projector. When the POWER/LAMP indicators are not lightning, the fuse may be opened. Check the fuse as following steps.
The fuse should be used with the following type;

Fuse Part No. : 323 028 4202
TYPE 15.0A 400V FUSE
SOC CORP. SHV14 15A N4



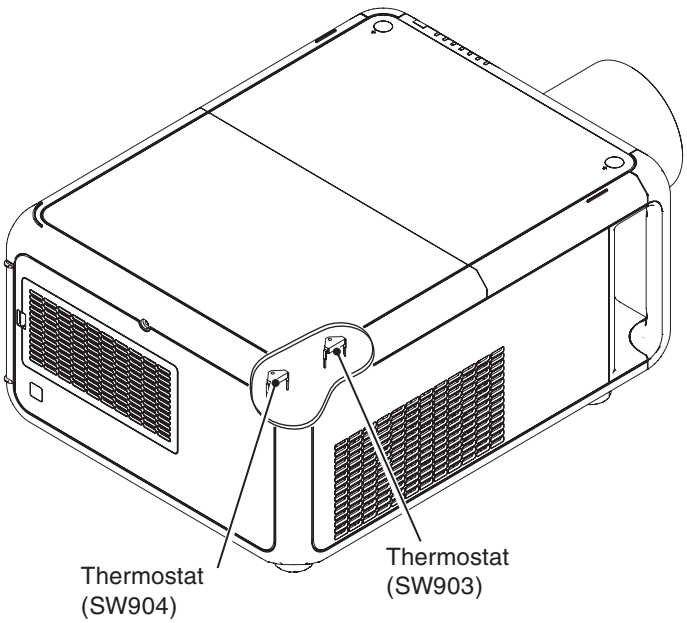
How to replace the fuse

1. Turn the projector upside down and remove the bottom cover.
2. Remove the cover and fuse from fuse holder.

To install the fuse, take reversed step in the above.

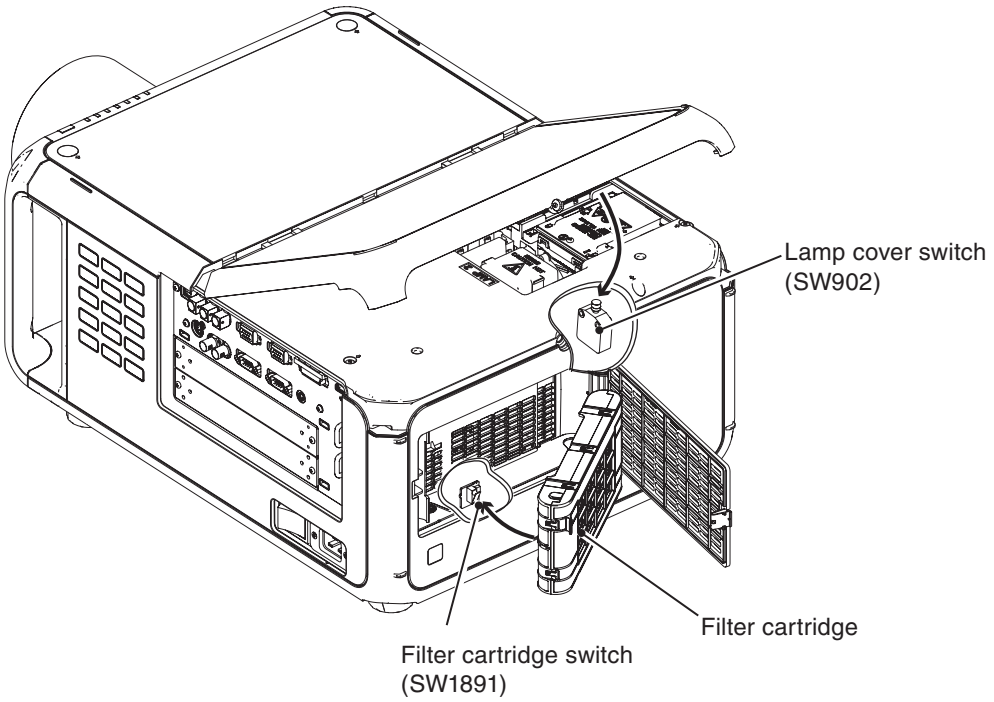
Thermal switches (SW903, SW904)

There are the thermal switches (SW903 and SW904) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature reaches near 80˚C, the thermal switch opens to cut off the error detection signal supplied to the system control part and then the projector will set in the power failure mode.
The thermal switch will automatically return to normal condition when the internal temperature becomes normal.



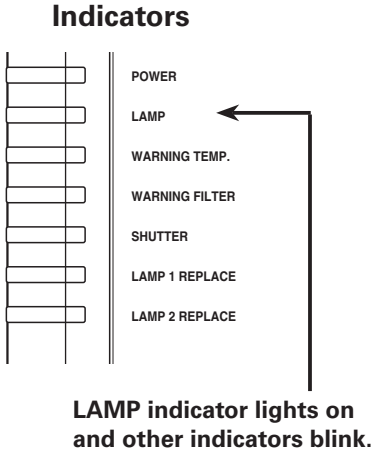
Mechanical sensor switches (SW902, SW1891)

This projector provides 2 mechanical sensor switches, the one is for filter cartridge switch (SW1891) and the other one is for lamp cover switch (SW902). The filter cartridge switch detects whether the filter cartridge is installed correctly.
The lamp cover switch detects whether the lamp cover is closed securely. If lamp cover is opened or not closed completely, the drive signal to the lamp circuit is cut off. After opening the lamp cover for replacing the lamp ass'y, place the lamp cover correctly otherwise the projector cannot turn on.



The projector is shut down; and the LAMP indicator is lighting and other indicators are blinking.

When the projector detects an abnormal condition (SW902, SW903, SW904 - opens), it will be automatically shut down to protect the inside of the projector and the LAMP indicator lights on and other indicators blink. In this case, unplug the AC power cord and check that the filter cartridge and lamp cover are installed securely, and the plug it, and turn on the projector once again to verify operation. If the projector cannot be turned on and these indicators are still lighting and blinking, unplug the AC power cord. See the troubleshooting chapter.

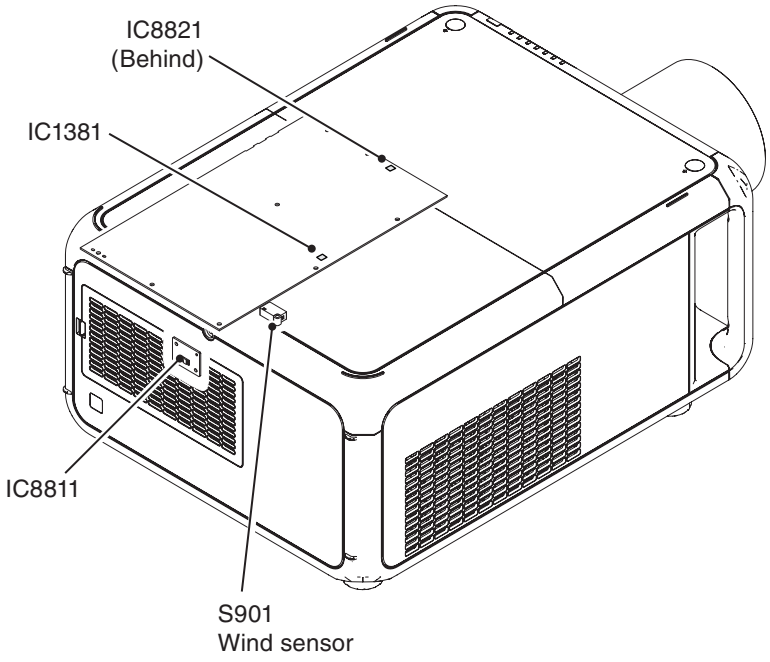


CAUTION
DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Temperature sensors, wind sensors

The projector provides 3 temperature sensor ICs, 2 sensors on the Main board and 1 sensor on the Sensor board, and 1 wind sensor on the intake duct. The sensor ICs monitor surrounding temperature of the optical parts, and surrounding temperature of the intake duct, and the wind sensor monitors airflow passed through the air filter in the intake duct.

- Temperature sensor (IC8821) is on the main board for monitoring the surrounding temperature of DMD module.
- Temperature sensor (IC1381) is on the main board for monitoring the surrounding temperature of optical unit.
- Temperature sensor (IC8811) is on the sensor board for monitoring the surrounding temperature of the intake duct.
- Wind sensor (S901) on the filter box.



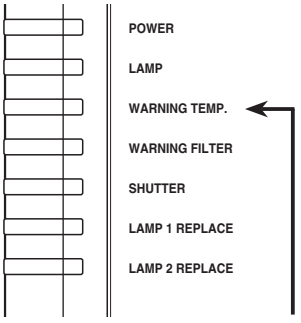
The projector is shut down and the WARNING TEMP. indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector. The LAMP indicator turns red brighter and the WARNING TEMP indicator blinks while the projector is being cooled down. When the projector has cooled down enough (to its normal operating temperature), it can be turned on again by pressing the ON/STAND-BY button.

✔Note:

- The WARNING TEMP. indicator continues to blink even after the temperature inside the projector returns to normal. When the projector is turned on again, the WARNING TEMP. indicator stops blinking.

Indicators



WARNING TEMP. blinking red

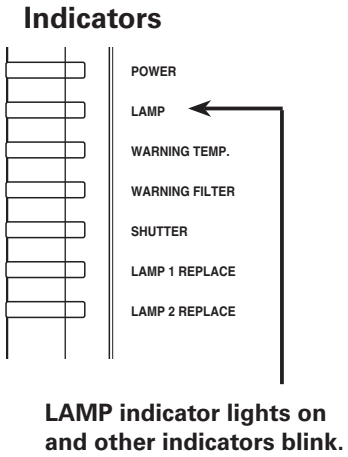
Power failure and fan lock detection

The projector provides the detection circuits of the power failure and the fan lock. When the detection circuit detects an error at the power supply line or at the fan operation circuit, the projector will turn into the standby mode to protect the other circuits defective.

The projector is shut down; and the LAMP indicator is lighting and other indicators are blinking.

When the projector detects an abnormal condition (Power supply lines failure or fans failure), it will be automatically shut down to protect the inside of the projector and the LAMP indicator lights on and other indicators blink. In this case, unplug the AC power cord and plug it, and then turn on the projector once again to verify operation. If the projector cannot be turned on and these indicators are still lighting and blinking, unplug the AC power cord. See the troubleshooting chapter.

CAUTION
DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.



LAMP indicator lights on and other indicators blink.

Maintenance

Filter Instructions

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter becomes clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. This projector has an electrically operated filter which helps you to replace the filter easily. The projector monitors the condition of the filter at all time and replaces a filter with a new one automatically when it detects the clogging.

If the projector reaches a time set in the timer setting, a Filter replacement icon (Fig.1) appears on the screen and the WARNING FILTER indicator on the top panel lights up. When you see this icon, replace the filter as soon as possible. If the filter is out of scroll and the projector reaches a time set in the timer setting, Fig. 2 appears on the screen, indicating that the filter cartridge replacement is necessary.

Fig.1 Filter replacement icon

When the filter scroll is counted down to 1, the Last scroll icon (Fig.3) appears on the screen, indicating that there is one scroll left in the filter cartridge.

Fig.2

If the projector detects that the filter is clogged and no scroll is left in the filter cartridge, a Filter cartridge replacement icon (Fig. 4) appears on the screen and the WARNING FILTER indicator on the top panel lights up. When you see this icon, replace the filter cartridge and reset the Filter counter and the Scroll counter.

Fig.3 Last scroll icon

When the filter is being scrolled by the remote control or the Filter control function in the setting menu, a Filter replacement icon and "Please wait..." message (Fig.5) appear on the screen and the WARNING FILTER indicator blinks slow (approx. 2 seconds ON, 2 seconds OFF).

Fig.4 Filter cartridge replacement icon

The WARNING FILTER indicator blinks fast when the projector detects an abnormal condition, the filter cartridge is not installed properly, or the filter scroll is not working properly.

Fig.5 Filter replacement icon and "Please wait..." message.

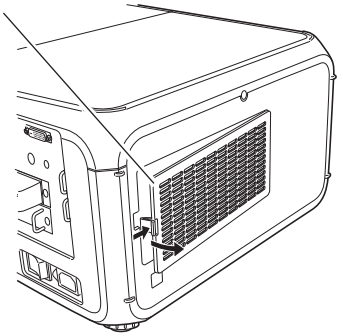
✔Note:

- Fig.1, Fig.2, Fig.3 or Fig. 4 will not appear when the Display function is set to "Off", or during "Freeze".
- The filter cannot be rewound.
- The filter can be scrolled 9 times since the filter cartridge has 10 scrolls.
- The filter cartridge is disposable. Do not clean and reuse the filter cartridge.
- Do not expose the filter cartridge to water or liquid, or it may cause a breakdown.
- Replace the filter cartridge after all the scroll is used up. If you replace the filter cartridge when there are some scrolls left in the filter cartridge, the filter counter and the scroll counter do not recognize the correct number of remaining scrolls and the reset function cannot work properly. It may cause a breakdown.
- The used part of the filter can be seen on the edge of the Filter cartridge after scrolling the filter, but there is no problem for the use of the projector.
- Do not use the filter cartridge with other projector. The filter counter and the scroll counter do not recognize the correct number of remaining scrolls of the used filter cartridge and the reset function cannot work properly. It may cause a breakdown.
- Make sure that the projection lamps are turned off when you are replacing the filter cartridge. If you replace the filter cartridge when the projection lamps are turned on, the projector will be shut down automatically for safety purposes.
- Do not forget to reset the filter counter and the scroll counter in the setting menu after replacing the filter cartridge. If you forget to reset the filter counter and the scroll counter, the projector cannot recognize the correct number of remaining scrolls and it may cause a breakdown.
- When the projector is kept used for 3 minutes without getting the filter cartridge replaced after the Fig.4 appears on the screen, the projector is turned off automatically to prevent the damage of optical components.

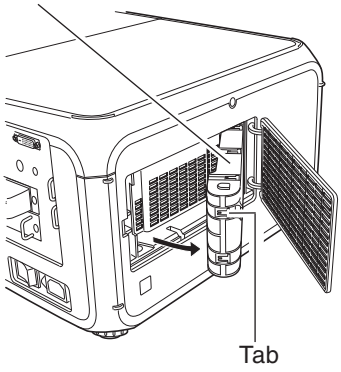
Replacing the Filter Cartridge

1. Turn off the projector, press the Main On/Off Switch to Off and unplug the AC power cord from the AC outlet.
2. First, clean up the dust on the projector and around the air vents.
3. Open the filter cover. (See the right figure.)
4. Pull out the filter cartridge. When taking out the filter cartridge, put your finger on the filter cartridge's tab and then pull.
5. Put the new one back into the position and close the filter cover. Make sure that the filter cartridge is properly and fully inserted.
6. Connect the AC power cord to the projector and turn on the projector.
7. Reset the filter counter and the scroll counter.

Filter cover



Filter cartridge



CAUTION
Make sure the filter cartridge is inserted in the projector.
Do not put anything into the air vents. Doing so may result in malfunction of the projector.

RECOMMENDATION
We recommend avoiding dusty/smoky environments when operating the projector. Usage in these environments may cause a poor image quality.

When using the projector under dusty or smoky conditions, dust may accumulate on a lens, or optical elements inside the projector. Such condition may degrade the quality of the projected image.
When the symptoms above are noticed, contact your authorized dealer or service station for proper cleaning.

ORDER REPLACEMENT FILTER CARTRIDGE

Type No. : 003-001726-01

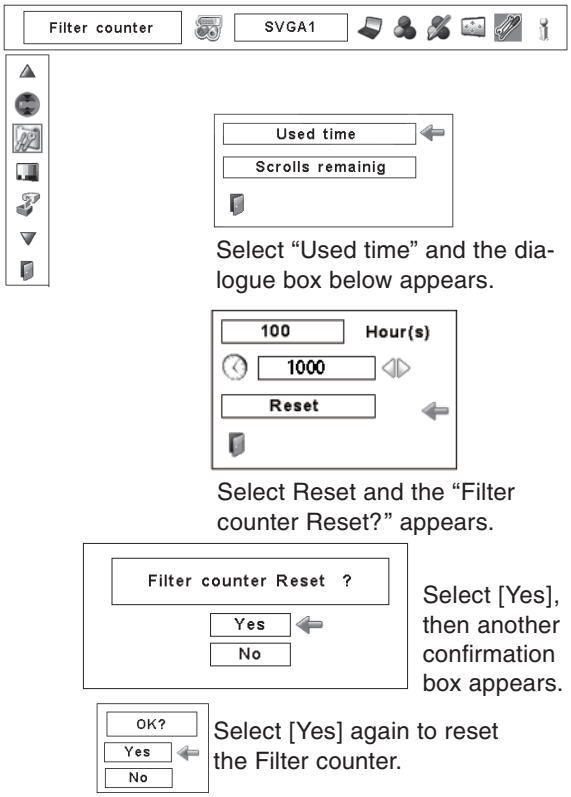
Service Parts No. : 610 334 3747

Resetting the Filter Counter

Be sure to reset the Filter counter after replacing the filter cartridge.

1. Press the MENU button to display the On-Screen Menu. Use the Point ◀▶ buttons to move the red frame pointer to the Setting Menu icon.
2. Use the Point ▲▼ buttons to move the red frame pointer to Filter counter and then press the SELECT button. A dialog box appears showing the Used time option and the Scrolls remaining option. Use the Point ▲▼ buttons to select Used time.
3. Used time shows the total accumulated time of the filter use, a timer setting option, and the Reset option. Select Reset and the “Filter counter Reset?” appears. Select [Yes] to continue.
4. Another confirmation dialog box appears, select [Yes] to reset the Filter counter.

Filter counter

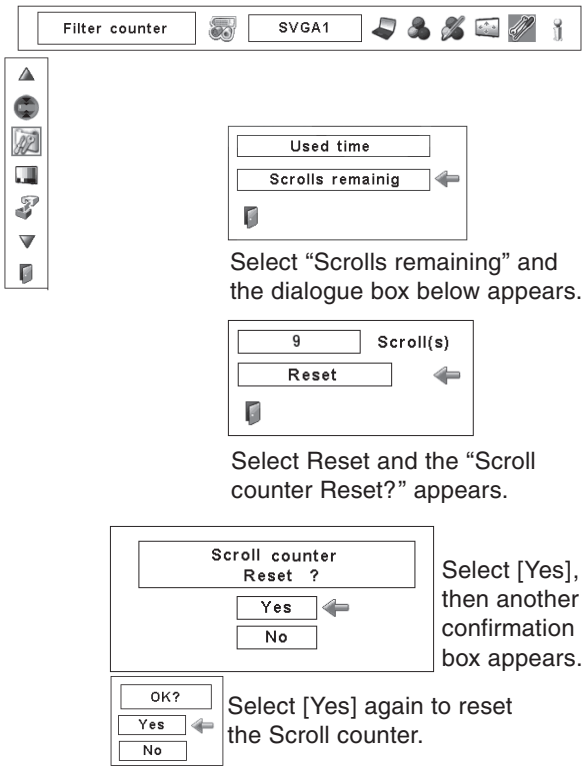


Resetting the Scroll Counter

Be sure to reset the Scroll counter after replacing the filter cartridge.

1. Press the MENU button to display the On-Screen Menu. Use the Point ◀▶ buttons to move the red frame pointer to the Setting Menu icon.
2. Use the Point ▲▼ buttons to move the red frame pointer to Filter counter and then press the SELECT button. A dialog box appears showing the Used time option and the Scrolls remaining option. Use the Point ▲▼ buttons to select Scroll(s) remaining.
3. Scroll(s) remaining shows the number of the remaining scrolls and the Reset option. Select Reset and the “Scroll counter Reset?” appears. Select [Yes] to continue.
4. Another confirmation dialog box appears, select [Yes] to reset the Scroll counter.

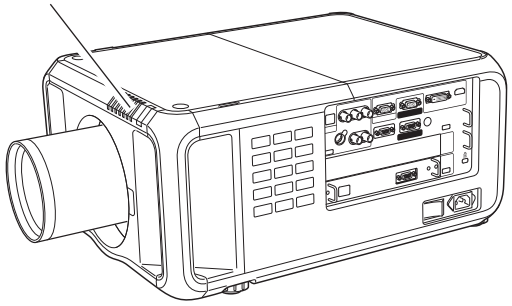
Scroll counter

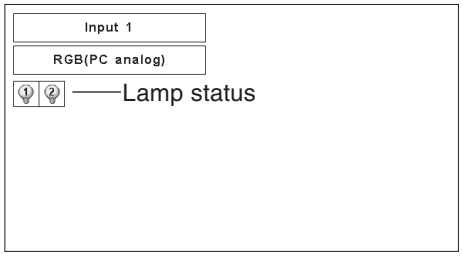


Lamp Management

This Projector is equipped with 2 Projection Lamps to ensure brighter image and those lamps are controlled by the Lamp Management Function. The Lamp Management Function detects the status of lamps and shows the status on screen or on the LAMP 1/2 REPLACE indicators. This function also automatically controls the Lamp Mode when any of lamps is out for the end of life or malfunctions.

LAMP 1/2 REPLACE INDICATORS



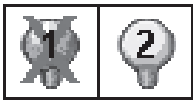


Lamp 1/2 Replace Indicators

The LAMP 1/2 REPLACE indicators light orange when any of Projection Lamps is nearing its end, and flash when any of them becomes out. Check the number of lamp on the Lamp Status Display or the LAMP 1/2 REPLACE indicators and replace the lamp.

Lamp Status Display

The Lamp Status Display appears on screen when the projector is turned on or the input position (input 1, input 2, Input 3 or input 4) is switched. This shows the status of each lamp as; ON, OFF, NEAR END, or OUT. Refer to the following for each status.



LAMP STATUS DISPLAY

Yellow Lamp – – – – – – Projection Lamp lights normally.

Dim Lamp – – – – – – – – Projection Lamp is turned off.

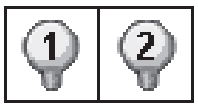
Red Lamp – – – – – – – – Projection Lamp is nearing its end. When the image becomes darker or the color becomes unnatural, replace lamp. (LAMP 1/2 REPLACE indicator lights orange.)

X Mark on Lamp – – – – – (LAMP 1/2 REPLACE indicator flashes orange.) Projection lamp is defective or fails to be turned on. Restart the projector on, and make sure lamp is on. If this mark still appears, replace lamp corresponding with number marked X.

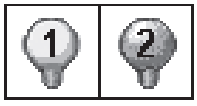
Lamp Mode Changeover

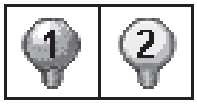
The Lamp Management Function automatically changes the lighting lamp (Lamp Mode) by detecting the status of lamp. When either of the 2 lamps is out, the projector operates with 1 lamp. The Lamp Mode can be switched to 2 lamps or 1 lamp manually. Refer to the SETTING section on page 51.

2 LAMP MODE

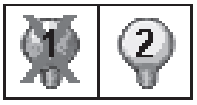


1 LAMP MODE

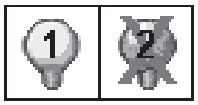




When Lamp 1 is burnt out.



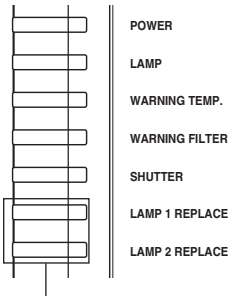
When Lamp 2 is burnt out.



Lamp Replacement

When the projection lamp of the projector reaches its end of life, the Lamp replacement icon appears on the screen and LAMP 1/2 REPLACE indicator lights orange. Replace the lamp with a new one promptly. The timing when the LAMP 1/2 REPLACE indicators should light is depending on the lamp mode.

Indicators



LAMP 1 / 2 REPLACE indicators

Lamp replacement icon

✔Note:
•The Lamp replacement icon will not appear when the Display function is set to “Off”, or during “Freeze”.

WARNING:
TURN OFF THE UV LAMP BEFORE OPENING THE LAMP COVER.

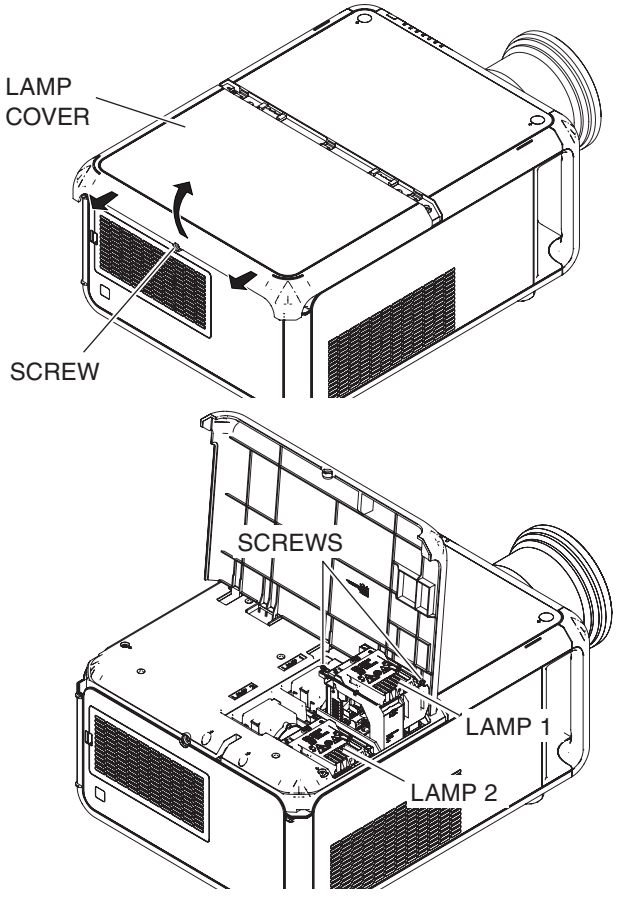
Allow the projector to cool, for at least 45 minutes before you open Lamp Cover. The inside of the projector can become very hot.

CAUTION

For continued safety, replace with a lamp assembly of the same type.
Do not drop the lamp assembly or touch a glass bulb! The glass can shatter and may cause injury.

Follow these steps to replace the lamp.

1. Check the number of lamp to be replaced on the Lamp Status Display.
2. Turn off the projector, press the Main On/Off Switch to Off and unplug the AC power cord from the AC outlet. Let the projector cool for at least 45 minutes.
3. Loosen a screw on the Lamp Cover. Slide and open the Lamp Cover until it makes a clicking sound. (See the right figure.)
4. Loosen two screws and pull out the Lamp to be replaced by grasping handle.
5. Replace the Lamp with a new one and tighten two screws. Make sure the Lamp is set properly.
6. Put the Lamp Cover back and tighten a screw.



Make sure which number of lamp needs to be replaced on Lamp Status Display.
Figure shows case of replacing LAMP 1.

ORDER REPLACEMENT LAMP

Replacement Lamp Type No. : 003-120504-01
Service Parts No. : 610 343 5336

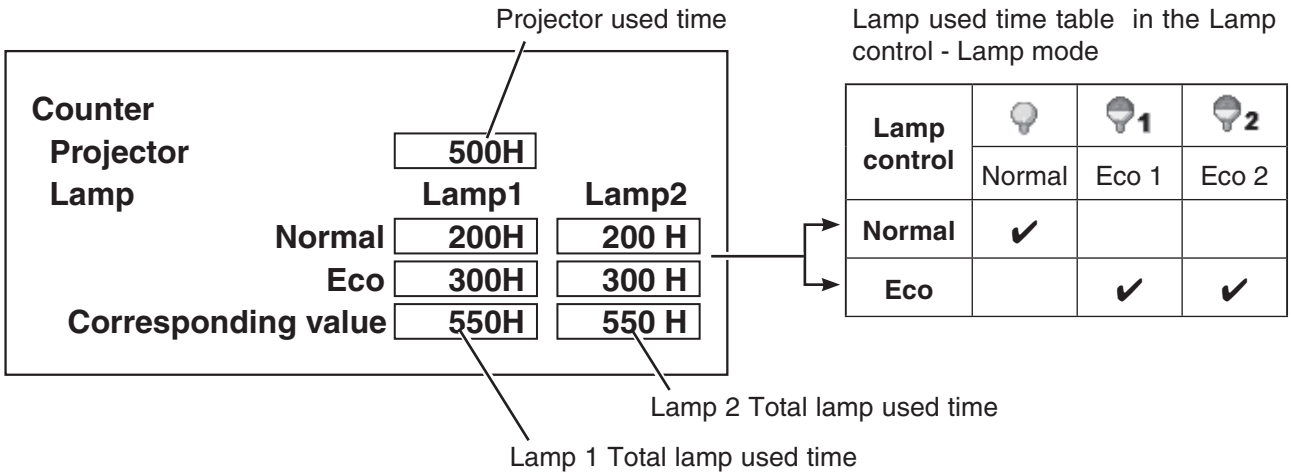
NOTES ON LAMP REPLACEMENT
To maintain quality of picture (better balance of color and brightness in entire screen), we recommend replacing both 2 lamps at a time.

Checking the projector used time and lamp used time

The LAMP REPLACE indicator will light yellow when the total lamp used time (Corresponding value) reaches 2,500 hours. This is to indicate that lamp replacement is required.
The total lamp used time is calculated by using the below expression,
Total lamp used time (Corresponding value) = **T***eco* + (**T***normal* x 1.25)

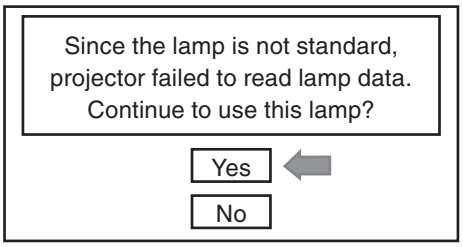
T*eco*: used time in the Eco 1 and Eco 2 mode
T*normal* : used time in the Normal mode and Auto mode

You can check the lamp used time following to the below procedure.
1 Press and hold the **ON/STAND-BY** button on the projector for more than 20 seconds.
2 The projector used time and lamp used time will be displayed on the screen briefly as follows.



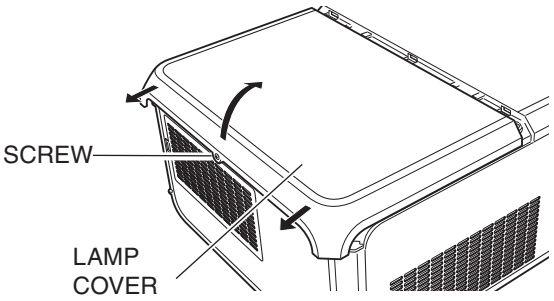
Warning Message on the non-standard lamp used

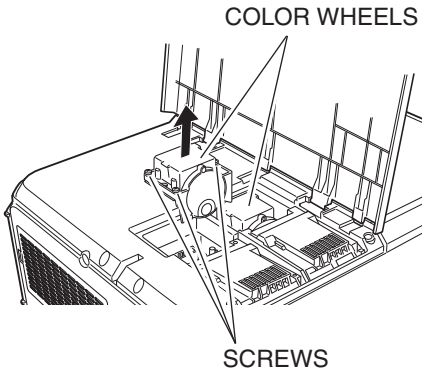
If the non-standard lamp is used, the warning and confirmation messages will appear on the screen every startup. Some of the functions are limited when the non-standard lamp is used in spite of the warning.



Optional Color Wheel Installation

The projector comes with the high brightness color wheels installed. Additional rich color reproduction color wheels are supplied. To replace the color wheels, refer to the following steps.





1 Turn off the projector, press the Main On/Off Switch to Off and unplug the AC power cord from the AC outlet. Let the projector cool for at least 45 minutes.

2 Loosen a screw on the Lamp Cover. Slide and open the Lamp Cover until it makes a clicking sound. (See the right figure.)

3 Loosen three screws and pull out the color wheel to be replaced by grasping handle.

4 Replace the color wheel with a new one and tighten three screws. Make sure the color wheels are set properly.

5 Put the Lamp Cover back and tighten a screw.

✔Note:

- Wait until the lamp house and the color wheel cool off.
- Make sure to install the same type of two color wheels at the same time. When different types of color wheels are installed, 'Non-matching color wheels!' message appears on the screen.

Allow the projector to cool, for at least 45 minutes before you open Lamp Cover. The inside of the projector can become very hot.

Cleaning the Optical Parts

After long periods of use, dust and other particles will accumulate on the optical parts, DMD module, mirror, color wheel, lens etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.
Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit. Before taking the cleaning, turn off the projector and allow the projector to cool for more than 45 minutes.

Cleaning with air spray

Remove the cabinet top following to “Mechanical Disassembly”. Clean up the optical parts, color wheel, lens by using the air spray from the cabinet top opening.

Caution:

The optical components may have a crack or spot when you use the air spray directly to the optical components while they are in the state of hot. Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.

Be sure to readjust the optical system after performing disassembly cleaning.

Remove the mechanical parts following to “Mechanical Disassembly”. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

Caution

The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.

Cleaning the Color Wheel

- The color wheel is made of thin glass. Be very careful when handing the color wheel.
- In case of fingerprints, etc. on the surface, gently wipe with a Cleaning Cloth for optical parts that contains a small amount of non-abrasive camera lens cleaner to clean the surface.
- Do not use detergents as this could cause peeling of the color filter.

Cleaning the DMD / Prism

- The Prism and DMD surface are glasses and can be cleaned. However, avoid scratches as these can have a direct influence on the image.
  1. Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment to clean the surface. If this does not remove, take next step.
  2. Gently wipe the surface with a Cleaning Cloth for optical parts in one direction. Always use a new section of the Cleaning Cloth. Using the same section of the Cloth has the potential of dragging particles and or adding contaminant to the glass surface which may scratch the glass.
- Do not use absolute alcohol or other substances that could leave streaks after drying.

Cleaning the Reflecting Mirror

- Be careful not to touch the reflecting mirror. Touching it directly with the hands may cause reducing the burnishing.
- Do not clean other than with air.

Security Function Notice

This projector provides security functions such as "Key lock", "PIN code lock" and "Logo PIN code lock". When the projector has set these security function on, you are required to enter correct PIN code to use the projector. If you do not know the correct PIN code to the projector, the projector can no longer be operated or started. In this case, you must reset those function first according to the resetting procedure described below and then check up on the projector.

Function	Description
Key lock	Locks operation of the side control or the remote control. If the Key lock is enabled with side control lock, the projector can no longer be started. *Initial setting: Key lock function is disabled*
PIN code lock	Prevents the projector from being operated by an unauthorized person. *Initial code: "1234"*
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. *Initial code: "4321"*

Resetting procedure

1 Turn off the projector with the Main switch.

2 Press and hold the **SELECT** button on the projector and then turn on the projector with the Mans switch. Keep pressing the **SELECT** button for more than 10 seconds.

This is complete the resetting of the security function. The PIN code lock and Logo PIN code lock are reset as the initial PIN code at the factory and the Key lock function is disabled.

Please refer to the owner's manual for further information of the security functions.

■Installing or Removing the Optional Lens

1 Remove the Lens hole cover

Keep the lens hole cover in safe for later use.
Use the lens hole cover to the projector during transportation.

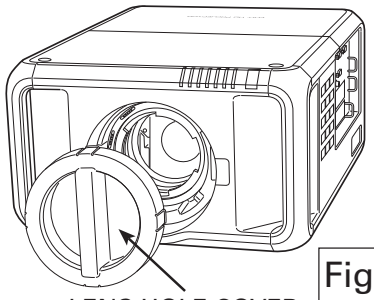


Fig-1

2 Mount the Lens

1. Remove the protective caps (front and back) on the lens.
2. Insert the lens into the Lens Bracket so that the red marks on the lens and Lens Bracket can match.
3. Slowly turn the lens clockwise until it clicks. Make sure that the lens is fully inserted to the projector.

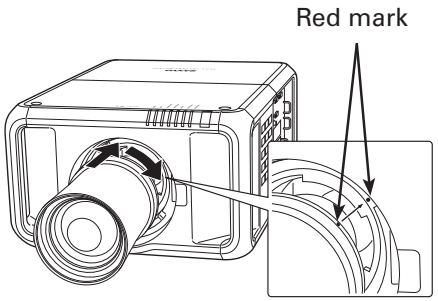


Fig-2

3 Remove the Lens

1. Press and hold the LENS SHIFT button for more than 5 seconds to shift the lens to the center position.
2. Turn off the projector, wait until the cooling fans stop, and then turn off the Main On/Off switch or unplug the AC power cord.
3. Push the Lens release button and turn the lens counter-clockwise and then take it out.

NOTE: Be careful not to drop the lens.

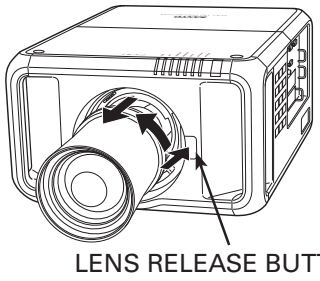
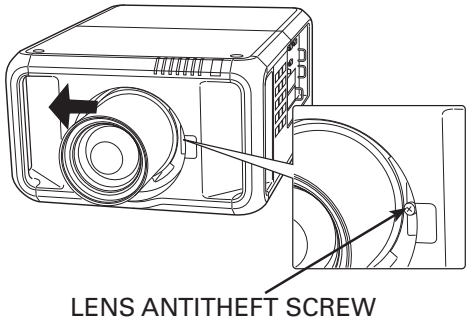


Fig-3

About the lens antitheft screw

To prevent removal of the installed lens, move the lens to the leftmost position with the Lens Shift function, and then loosen an antitheft screw on the right side of the lens until it will no longer be loosened.
Doing so makes the Lens release button unworkable and the lens will not be removed from the projector.
When you replace the lens, tighten the antitheft screw.



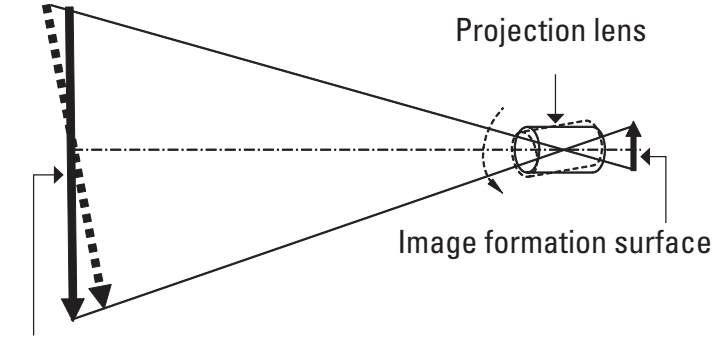
■ Focus Correction

When the lens is attached to the projector and images are being projected onto the screen, the peripheral focus may be out of focus in some localized areas. If this happens, adjust the three focus adjustment screws on the lens mount to adjust the focus balance of the screen.

About the focus balance

Relationship between lens orientation and screen focus

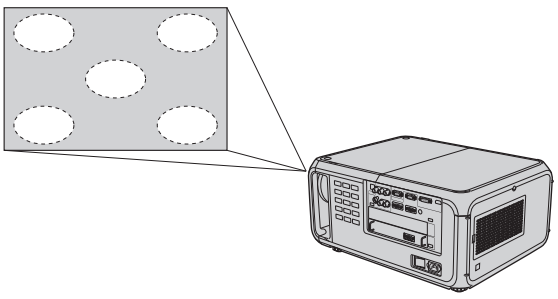
If the projection lens is tilted with respect to the plane of the screen, uneven focus will result. For example, when the front side of the lens (screen side) is tilted downward as shown in the figure below (direction of the dotted arrrow), the upper part of the screen will be tilted backward and the lower part of the screen will be tilted forward.
Three focus adjustment screws on the lens mount may be used to compensate for uneven screen focus.
Please adjust the focus balance of the screen by turning the focus adjustment screws.



Screen surface versus focal point

Adjustment preparations

1. Set up the projector and project images on the screen.
2. Press and hold the LENS SHIFT button for more than 5 seconds to shift the lens to the center position.
3. Adjust the focus to make the center area sharpest, by using the focus adjustment of the projector.
4. When the peripheral focus is out of focus in some localized areas, follow the procedure on the next page and adjust the focus balance on the screen.



Adjustment procedure

1. Loosen the focus locking screws (Black) of the adjustment point.
2. Turn the focus adjustment screws (Silver) to adjust the focus balance.
3. When adjustment is complete, tighten the locking screws (Black).

Three adjustment screws can work on the following focus balances respectively.

Point A
Adjust the focus balances of left and right side of the screen.

Turning the screw counter-clockwise
- Move the optimal focus of right side of the screen backward.

Turning the screw clockwise
- Move the optimal focus of right side of the screen forward.

Point B
Adjust the focus balances of top left and bottom right of the screen.

Turning the screw counter-clockwise
- Move the optimal focus of bottom right of the screen backward.

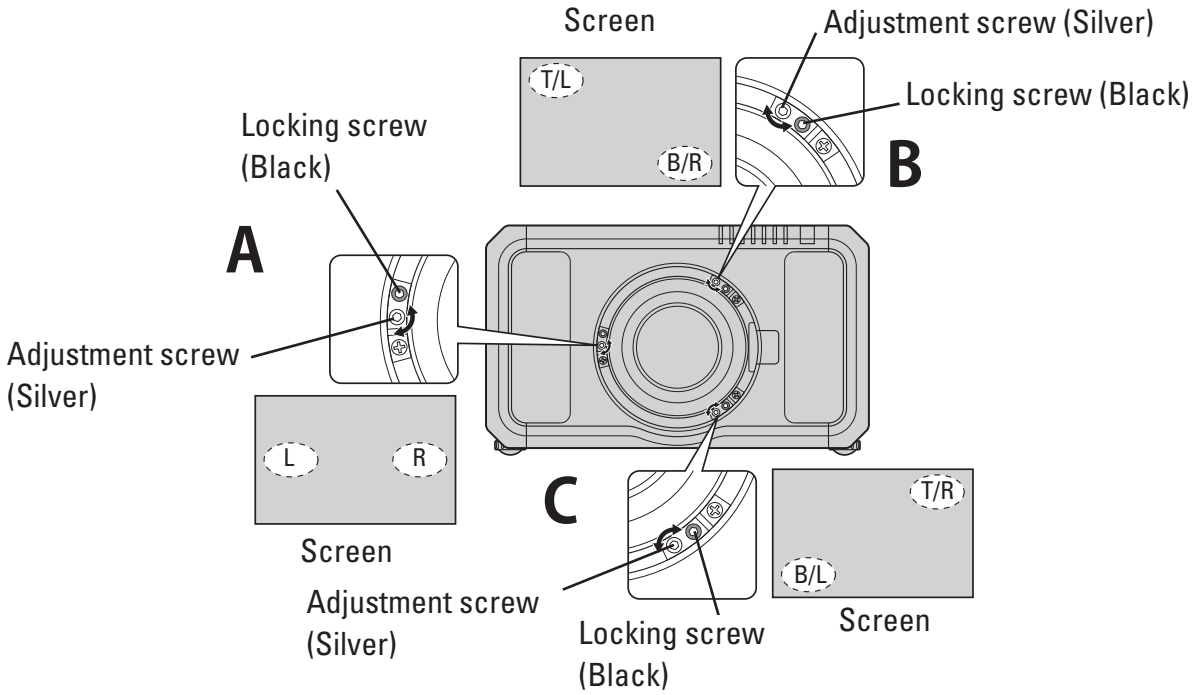
Turning the screw clockwise
- Move the optimal focus of bottom right of the screen forward.

Point C
Adjust the focus balances of top right and bottom left of the screen.

Turning the screw counter-clockwise
- Move the optimal focus of top right of the screen backward.

Turning the screw clockwise
- Move the optimal focus of top right of the screen forward.

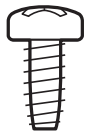
NOTE; Please use either a hexagon screwdriver or hexagon wrench (3 mm) for adjustment screws and locking screws.



Mechanical Disassembly

Mechanical disassembly flow chart

Mechanical disassembly should be made by following procedures chart.
Following steps show the basic procedures, therefore unnecessary step may be ignored.
Caution:
The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.
The wiring method of the leads and ferrite cores should be returned exactly the same state as the original, otherwise it may cause lose of performance and product safety.

Screws Expression (Type Diameter x Length) mm	
T type	M Type
	

1 Projection lens removal

2 Cabinet top removal

3 Main and Control boards removal

4 AV, Mother and LED light boards removal

5 Lamps and Color wheels removal

6 Optical base assy and Power(DC) board removal

6-1 Optical base assy disassembly

7 Cabinet front assy removal

R/C1, LED boards removal

8 Lens holder and Optical unit assy removal

8-1 Shutter assy removal

8-2 Formatter board assy removal

8-3 Dynamic black unit removal

8-4 Optical unit disassembly-1

8-5 Optical unit disassembly-2

9 Optical lamp cover assy removal

10 Ballast assy and Filter duct assy removal

10-1 Ballast assy disassembly

10-2 Filter duct assy disassembly

11 R/C2 and AC box assy removal

12 Lamp duct box assy removal

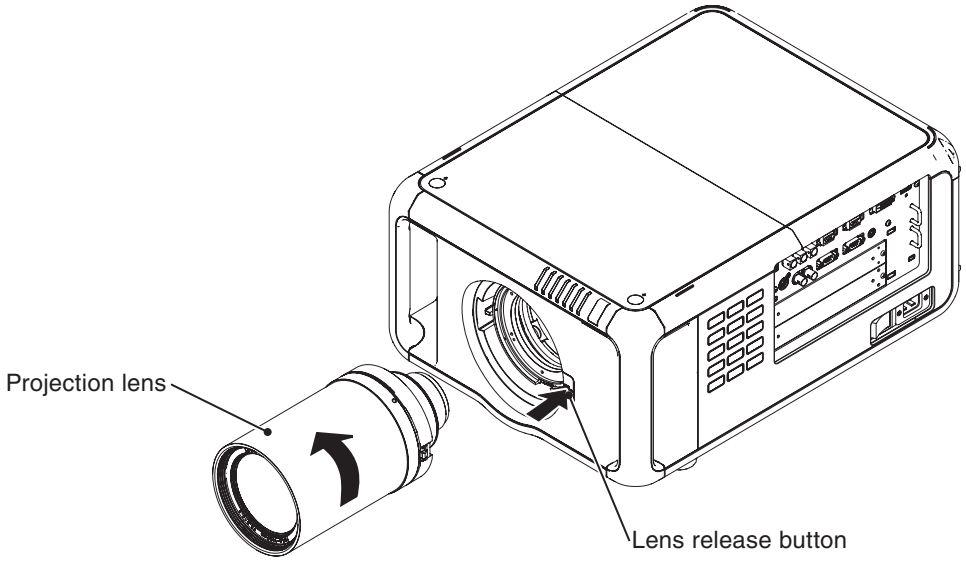
13 Power(AC) and PFC board removal

Mechanical disassembly

1 Projection lens removal

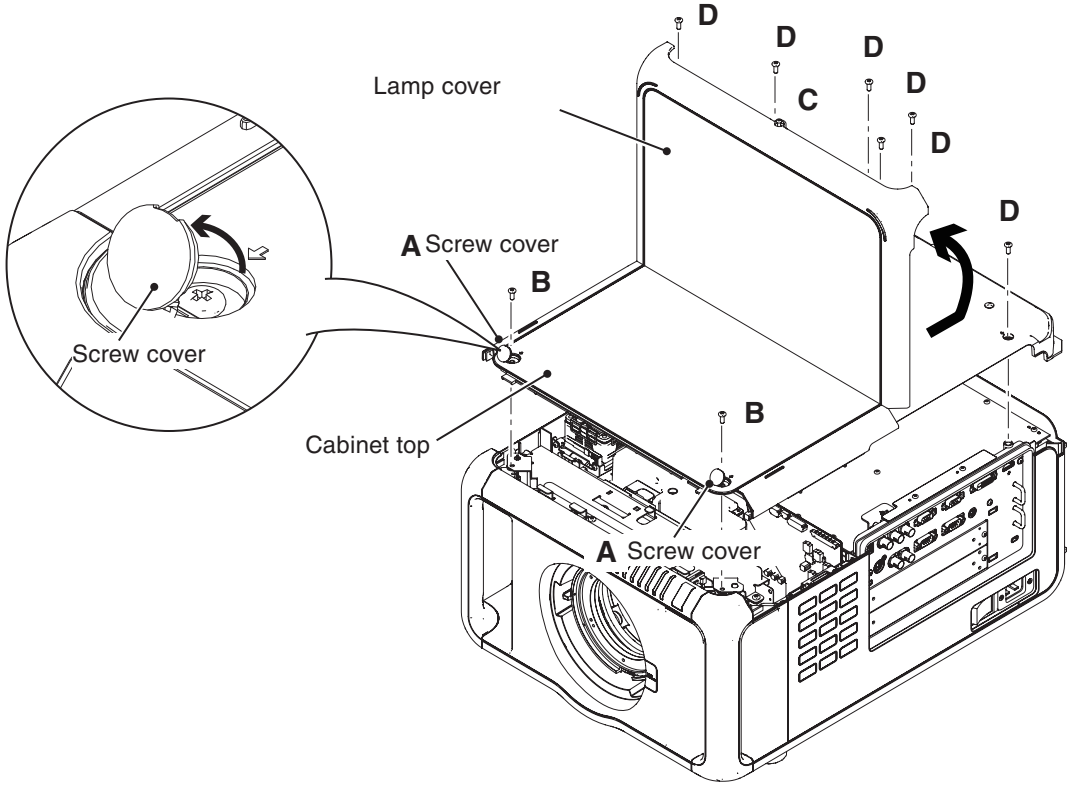
1 Press and hold the lens release button and turn the projection lens anti-clockwise and then pull out the projection lens.

* See item "Lens Mounting and Removing" for further information.



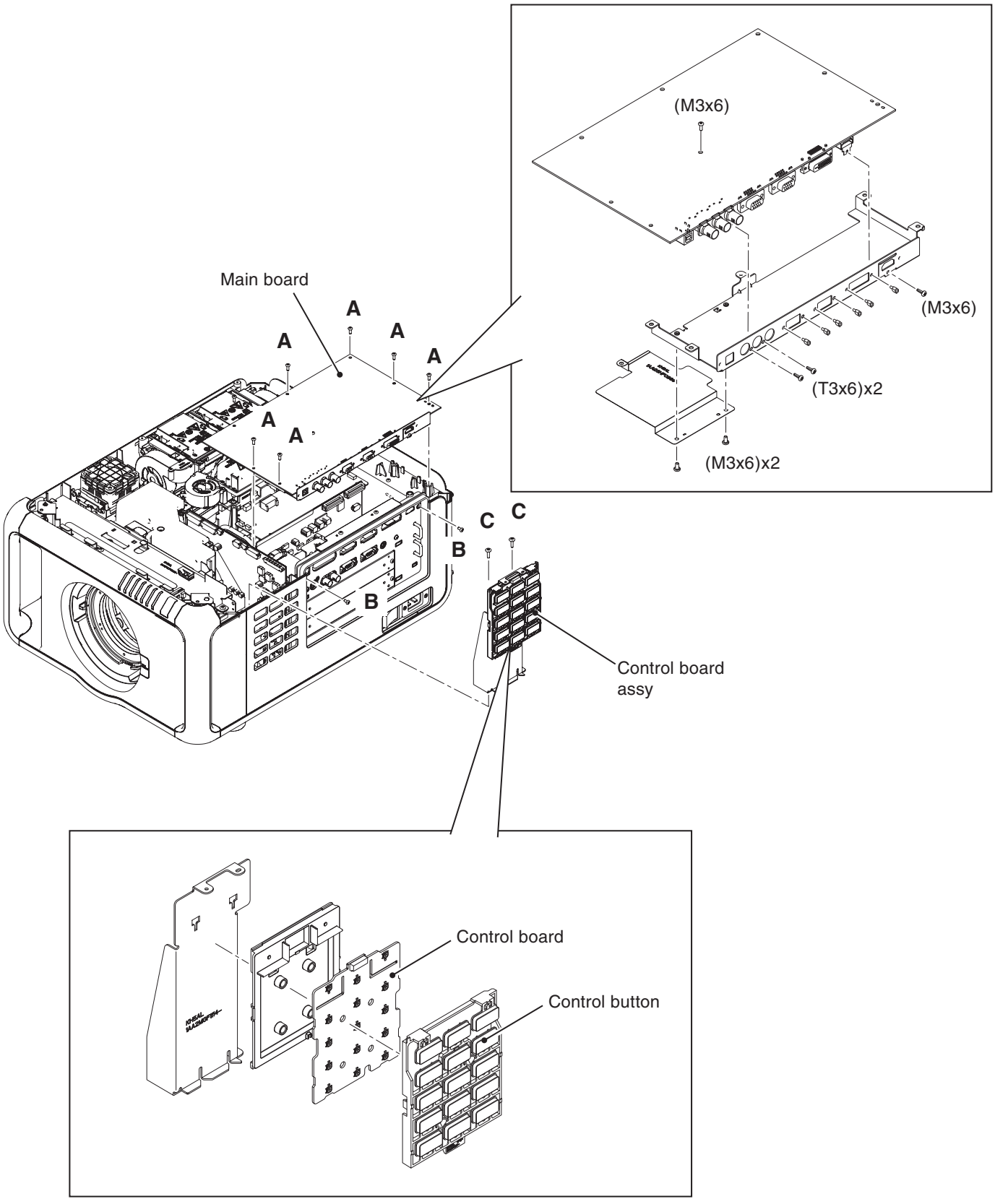
2 Cabinet top removal

1 Open 2 screw covers-A and remove 2 screws-B (M4x8).
2 Loosen 1 screw-C and turn the lamp cover.
3 Remove 6 screws-D (M4x8) and remove the cabinet top.



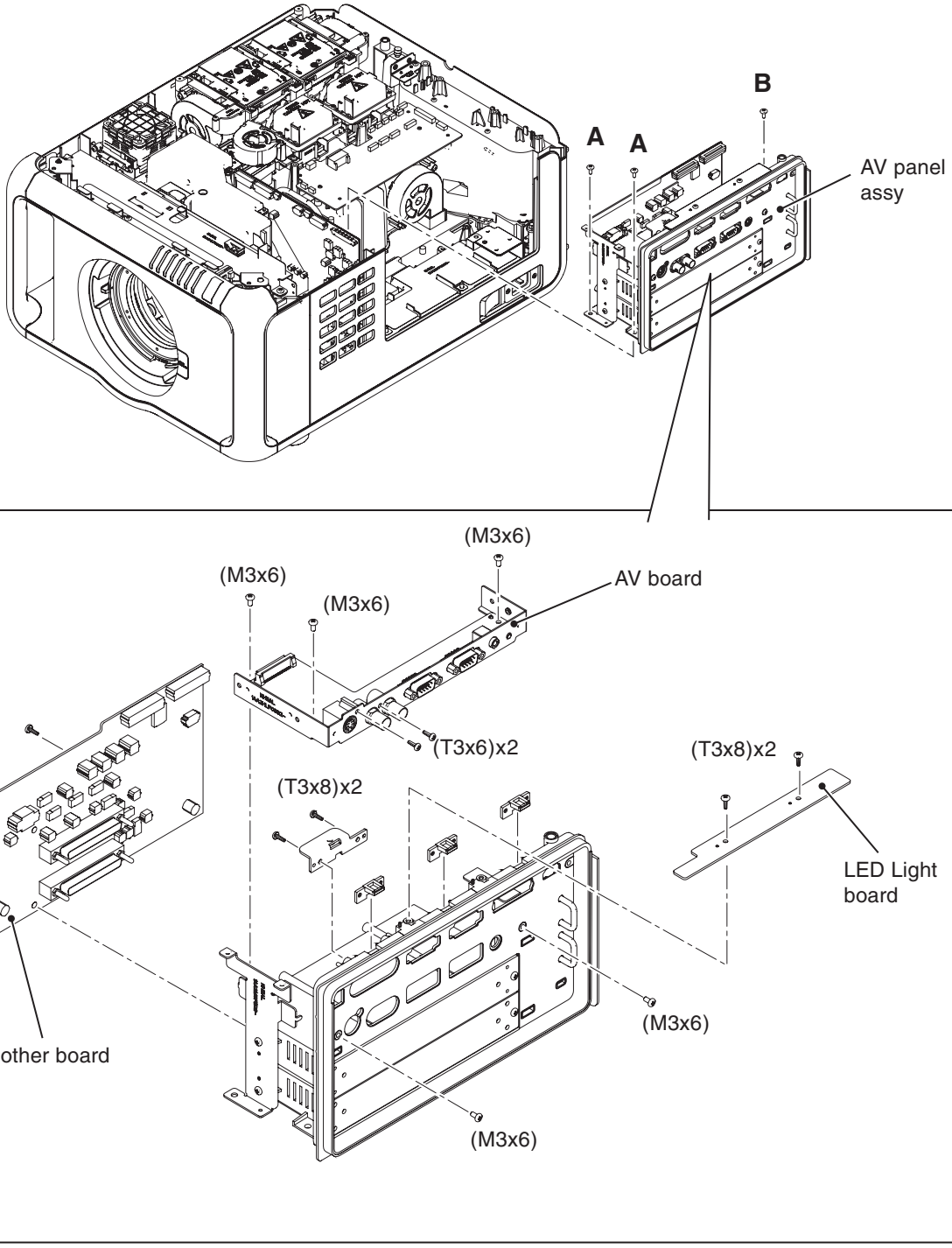
3 Main and Control boards removal

1 Remove 6 screws-A (M3x6) on the Main board and 2 screws-B (M3x6) on the AV panel and then remove the Main board.
2 Remove 2 screws-C (T4x10) and pull up the Control board assy.



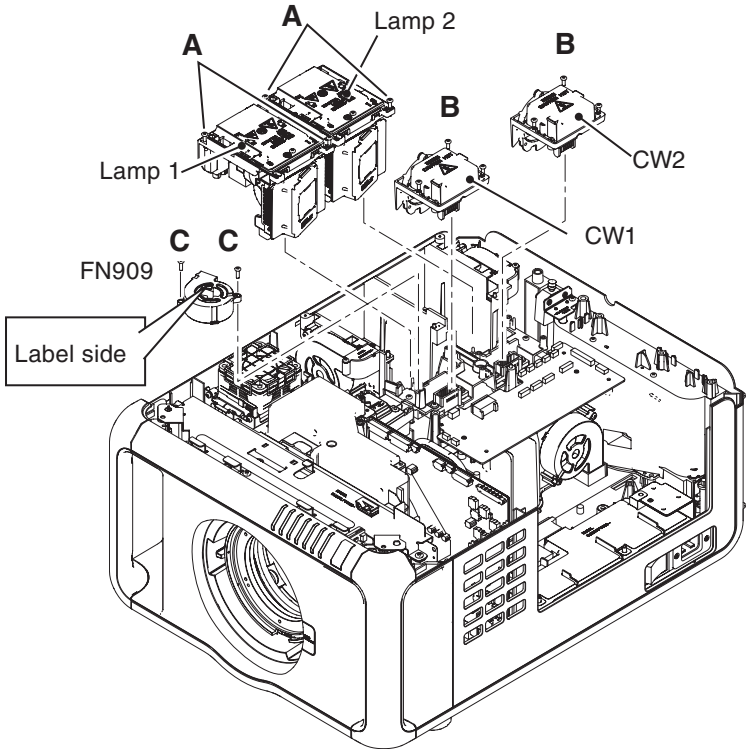
4 AV, Mother and LED light boards removal

1 Remove 2 screws-A (MTx10) and 1 screw-B (M4x6) and take the AV panel assy upward off.



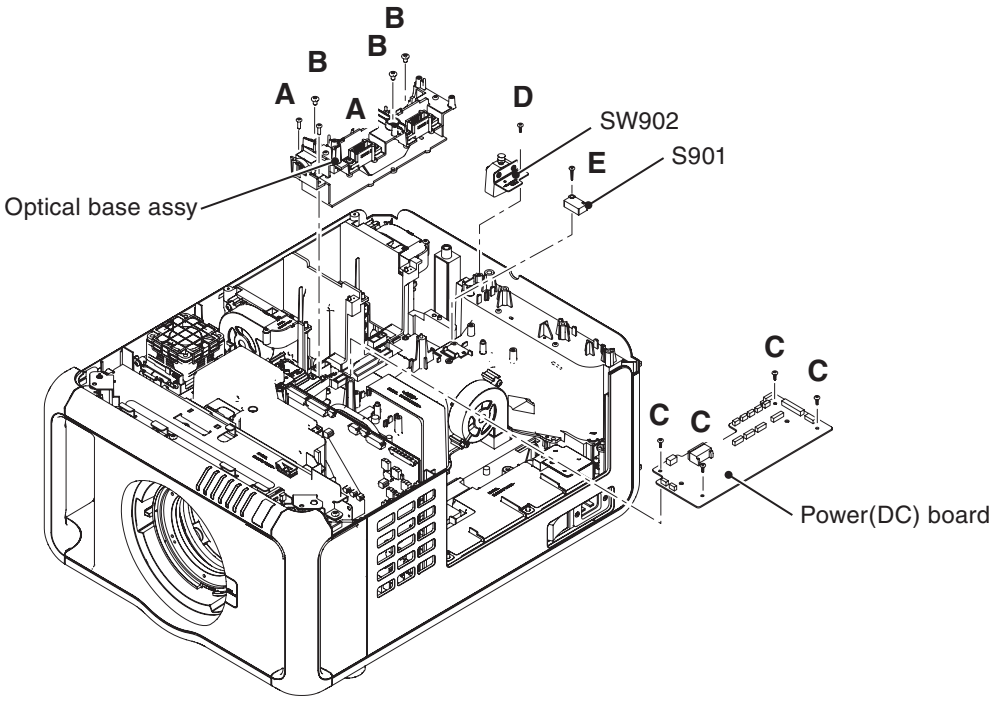
5 Lamps and Color wheels removal

1 Loosen 2 screws-A on each lamp and pull out the lamps.
2 Loosen 3 screws-B on each color wheel unit and then take the color wheel unit off.
3 Remove 2 screws-C (M3x12) and take the fan (FN909) off.



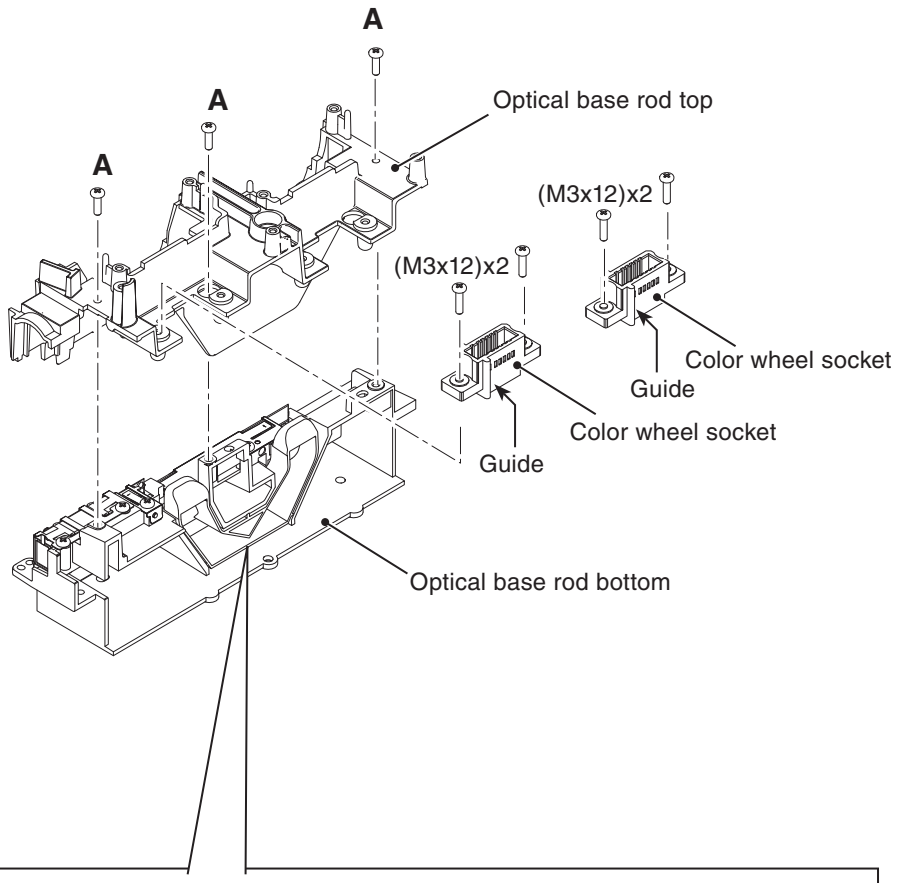
6 Optical base assy and Power(DC) board removal

1 Remove 2 screws-A (M3x6) and 3 screws-B (T4x10) and the take the Optical base assy off.
2 Remove 4 screws-C (T3x8) and remove the Power(DC) board.
3 Remove 1 screws-D (T3x8) and remove the Lamp cover switch (SW902).
4 Remove 1 screws-E (T3x14) and remove the Wind sensor (S901).

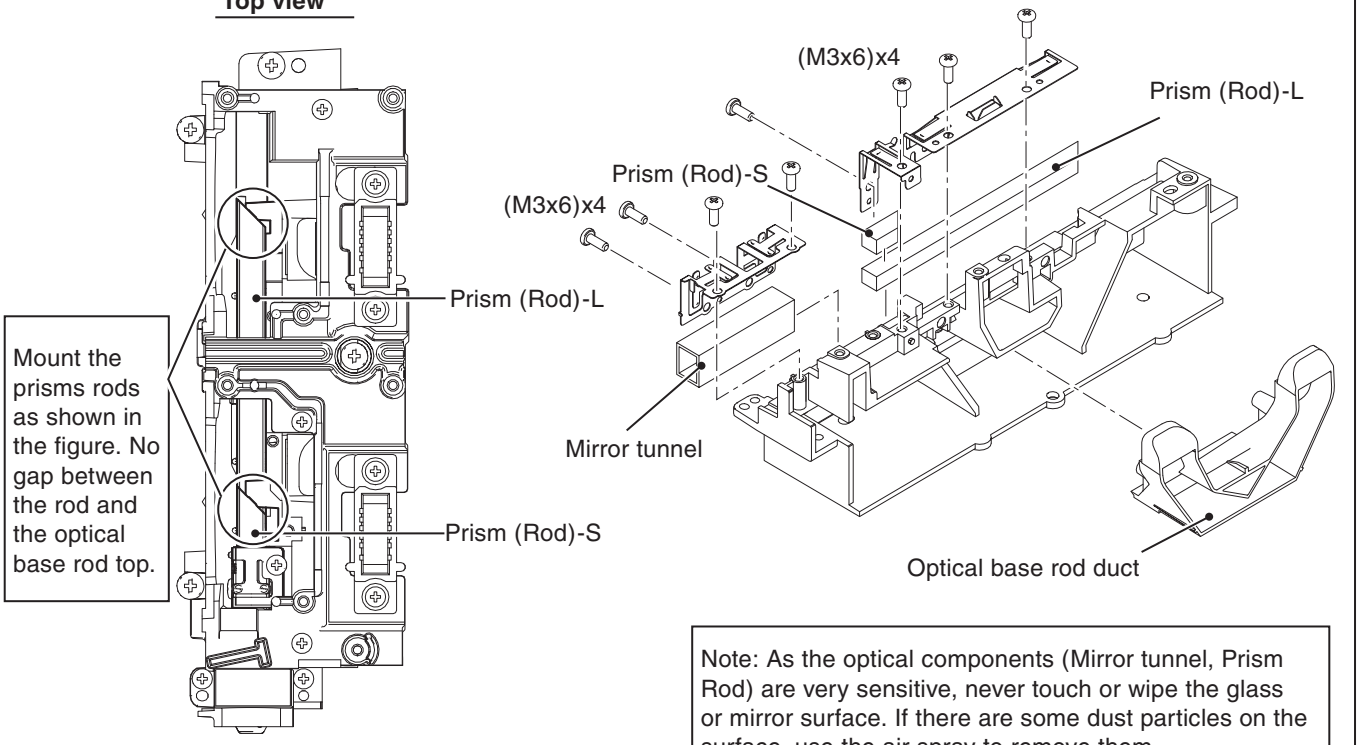


6-1 Optical base assy disassembly

1 Remove 3 screws-A (M3x6) and take the Optical base rod top off.



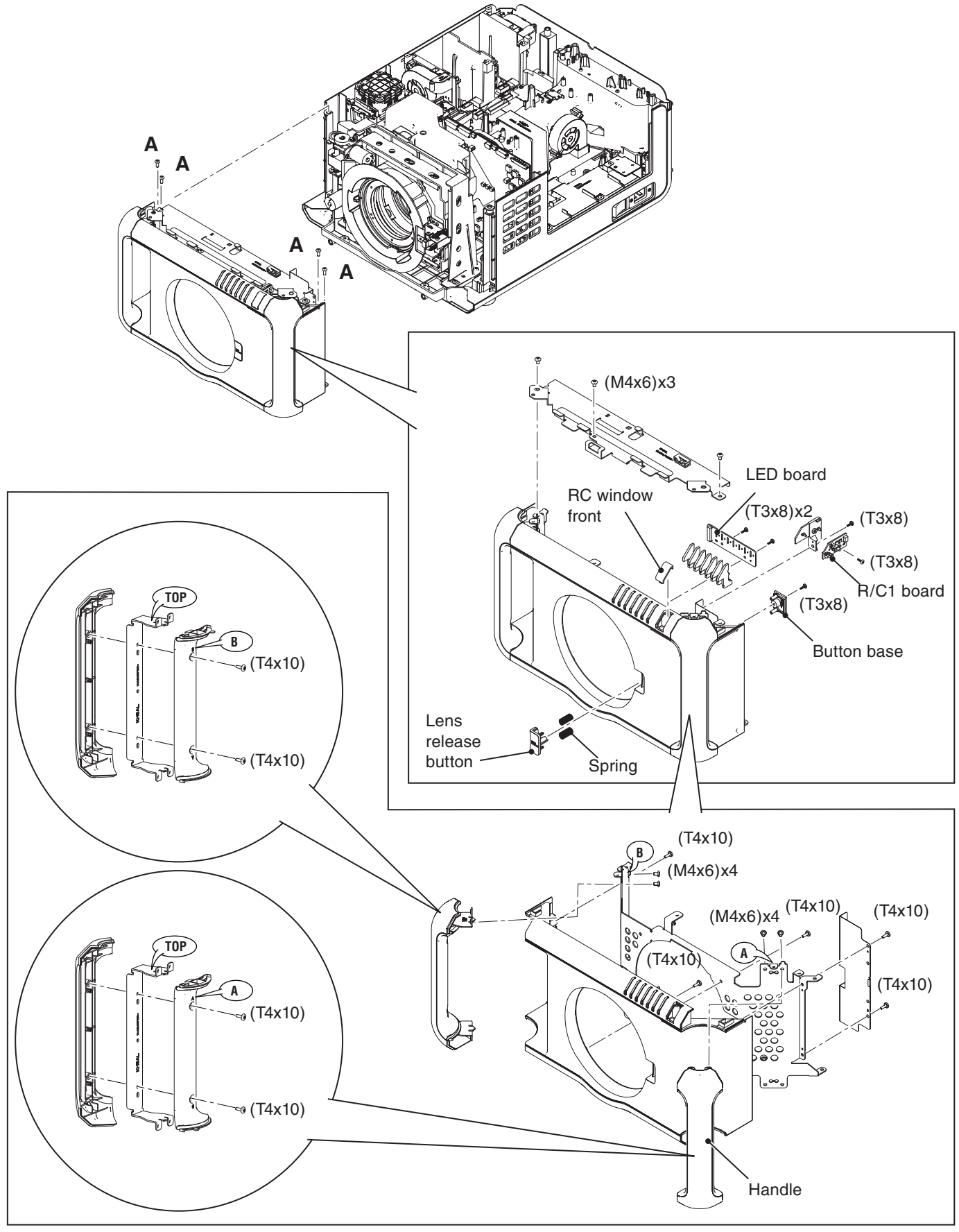
Top view


(M3x6)x4
Prism (Rod)-L
Prism (Rod)-S
(M3x6)x4
Prism (Rod)-L
Mount the prisms rods as shown in the figure. No gap between the rod and the optical base rod top.
Mirror tunnel
Prism (Rod)-S
Optical base rod duct

Note: As the optical components (Mirror tunnel, Prism Rod) are very sensitive, never touch or wipe the glass or mirror surface. If there are some dust particles on the surface, use the air spray to remove them.

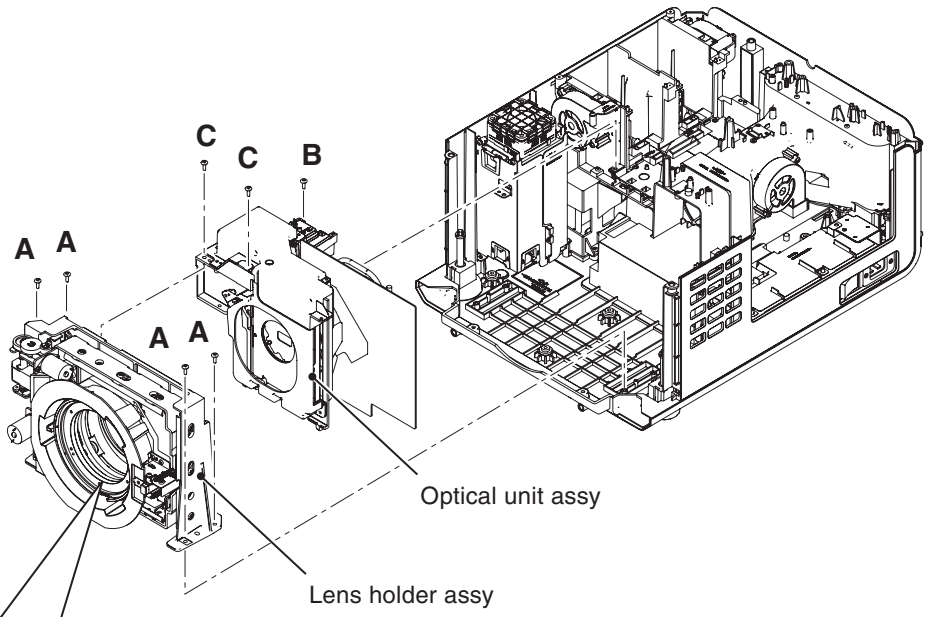
7 Cabinet front assy removal

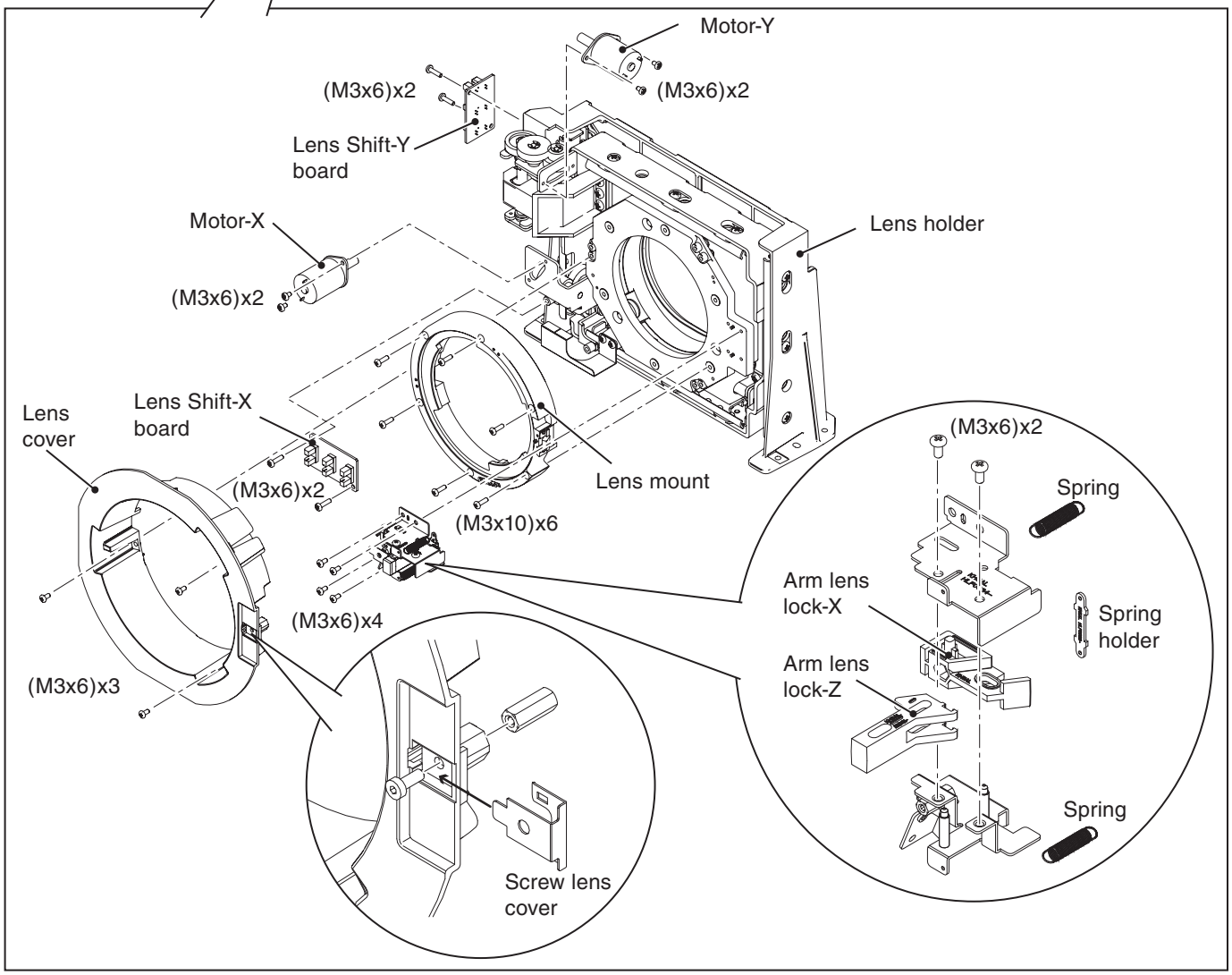
1 Remove 4 screws-A (M4x8) and take the Cabinet front assy off.



8 Lens holder and Optical unit assy removal

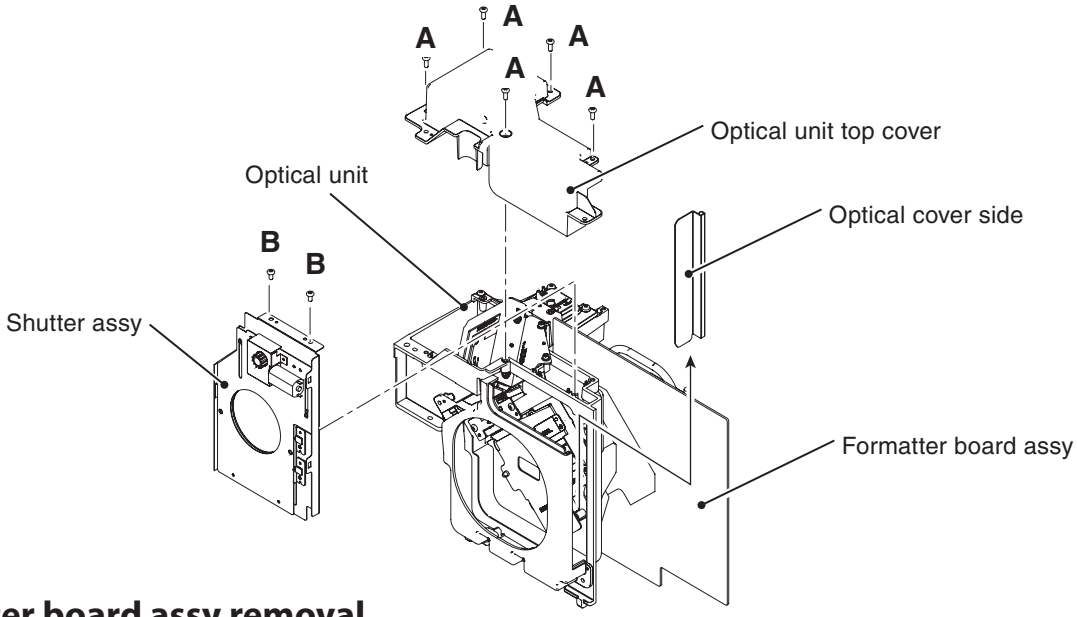
1 Remove 4 screws-A (T4x10) and 1 screw-B (T4x10) and take the Lens holder assy and Optical unit assy off.
2 Remove 2 screws-C (M4x8) and take the optical unit assy from the Lens holder assy.





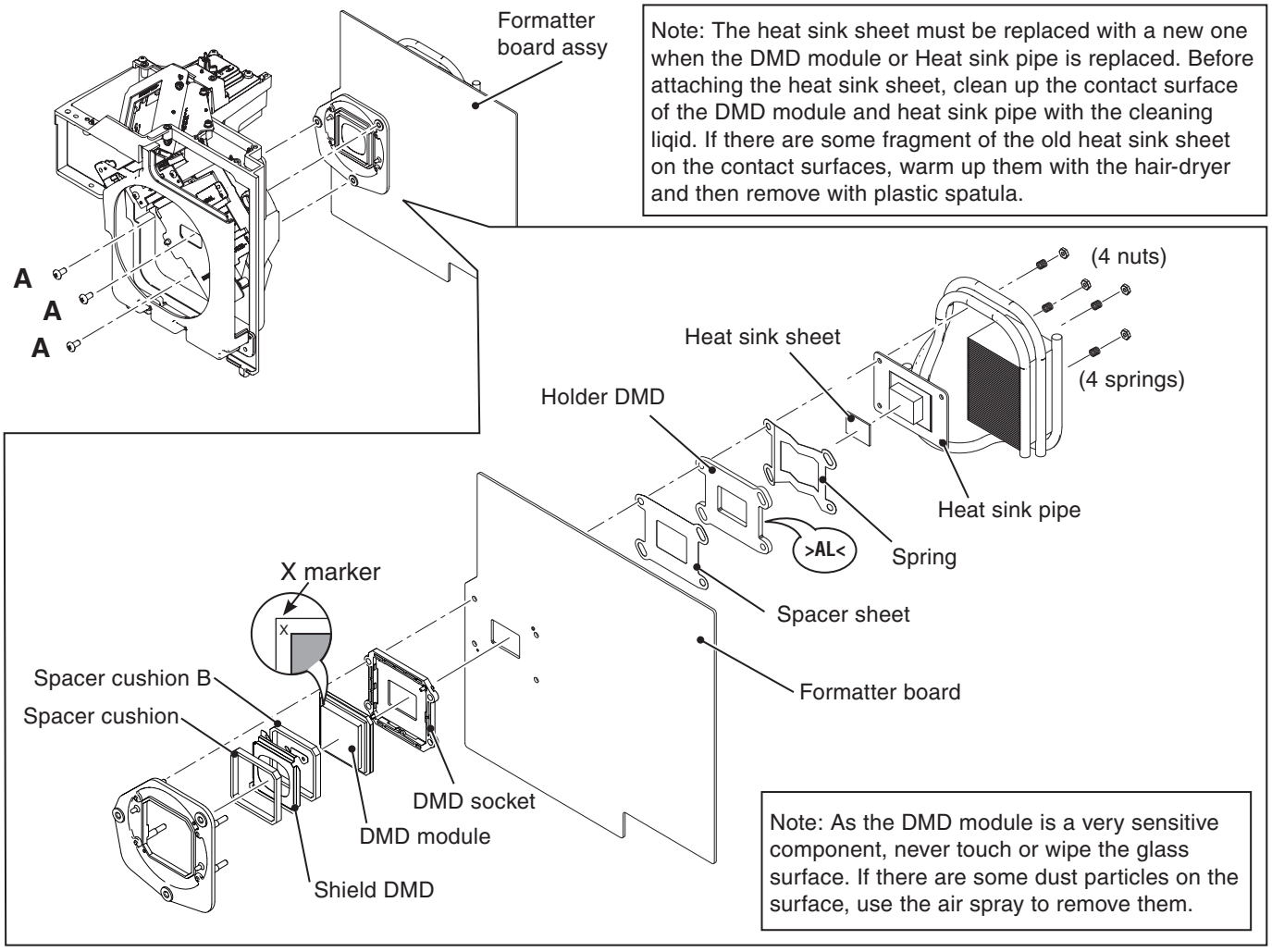
8-1 Shutter assy removal

1 Remove 5 screws-A (M3x6) and take the Optical unit top cover off.
2 Pull out the optical cover side.
3 Remove 2 screws-B (M3x6) and take the Shutter assy off.



8-2 Formatter board assy removal

1 Remove 3 screws-A (M4x8) and take the Formatter board assy from the Optical unit.

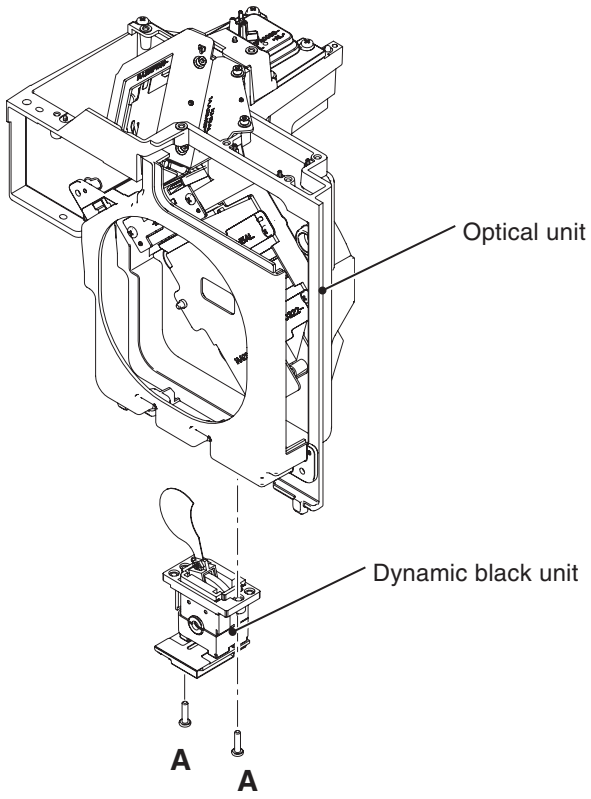


Note: The heat sink sheet must be replaced with a new one when the DMD module or Heat sink pipe is replaced. Before attaching the heat sink sheet, clean up the contact surface of the DMD module and heat sink pipe with the cleaning liqid. If there are some fragment of the old heat sink sheet on the contact surfaces, warm up them with the hair-dryer and then remove with plastic spatula.

Note: As the DMD module is a very sensitive component, never touch or wipe the glass surface. If there are some dust particles on the surface, use the air spray to remove them.

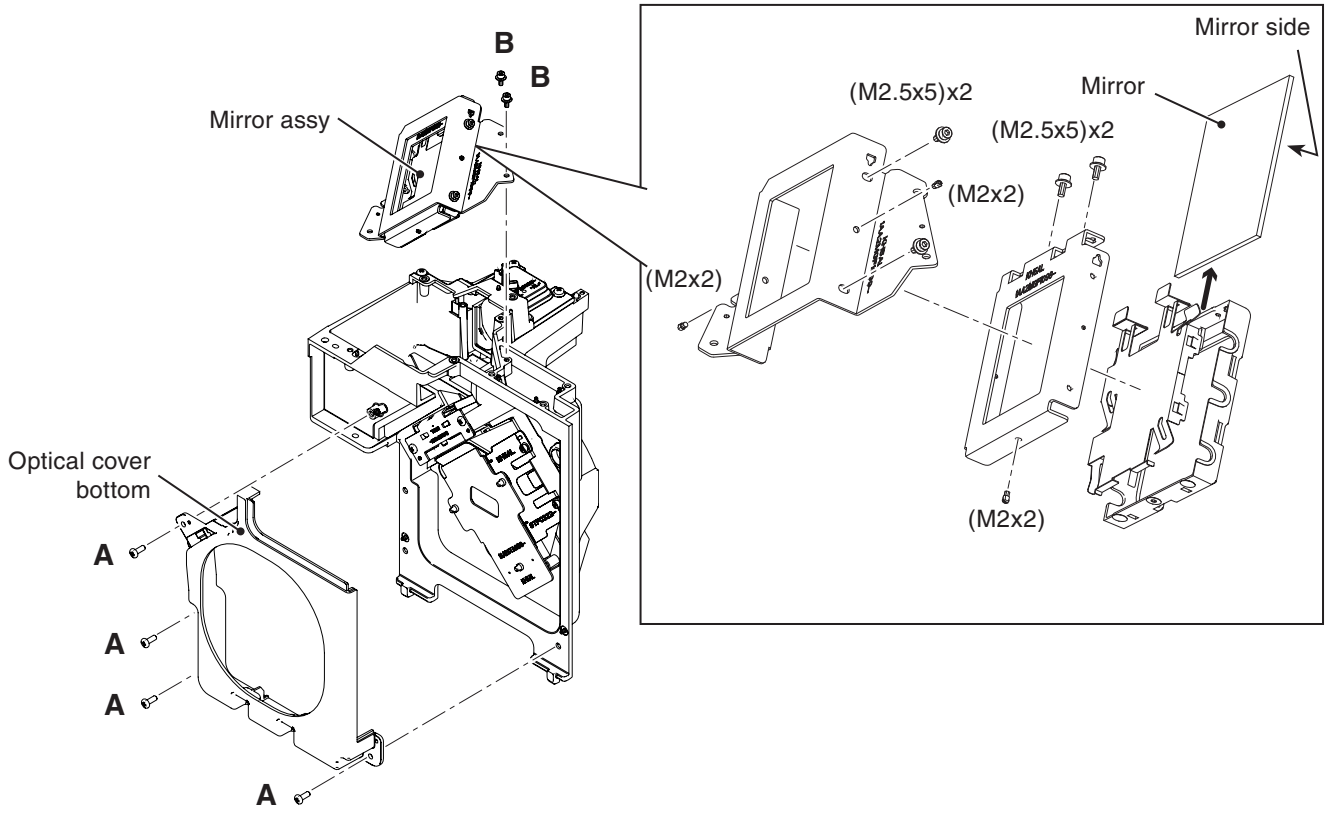
8-3 Dynamic black unit removal

1 Remove 2 screws-A (M3x12) and take the Dynamic black unit off.



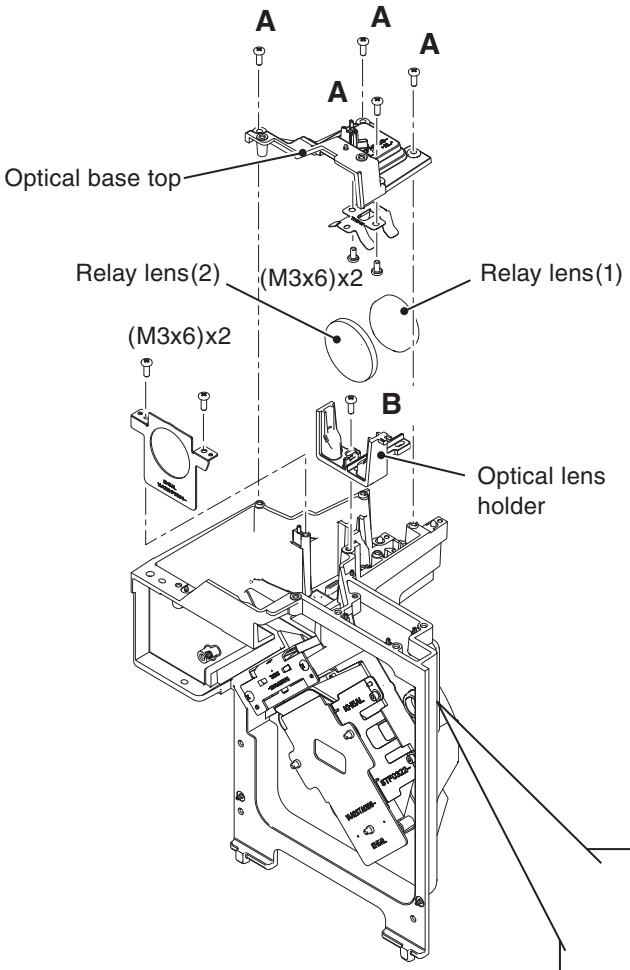
8-4 Optical unit disassembly-1

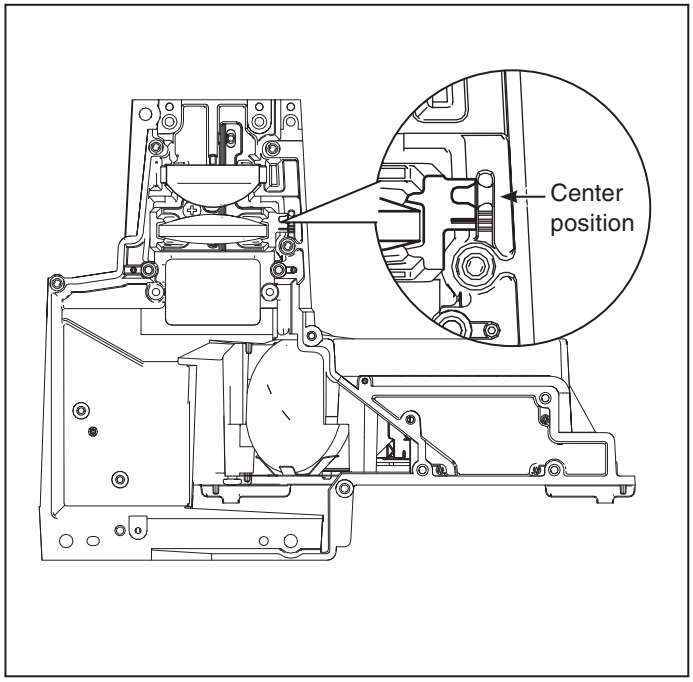
1 Remove 4 screws-A (M3x6) and take the Optical cover bottom off.
2 Remove 2 screws-B (M2.5x5) and take the Mirror assy off.

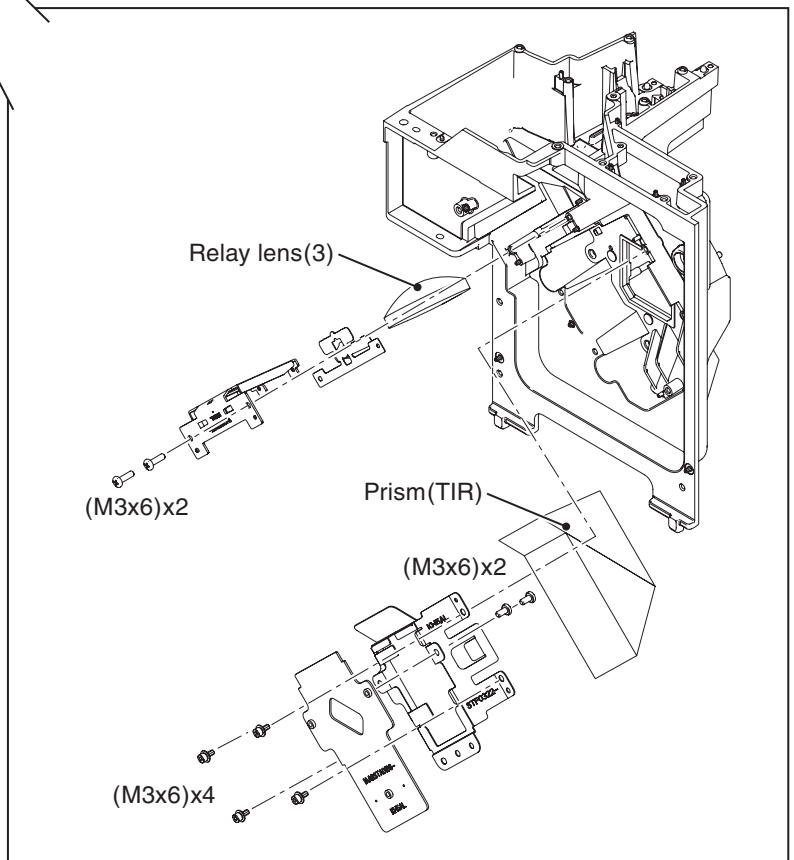


8-5 Optical unit disassembly-2

1 Remove 4 screws-A (M3x6) and take the Optical base top off.
2 Remove 1 screw-B(M3x8) and take the Optical lens holder off.



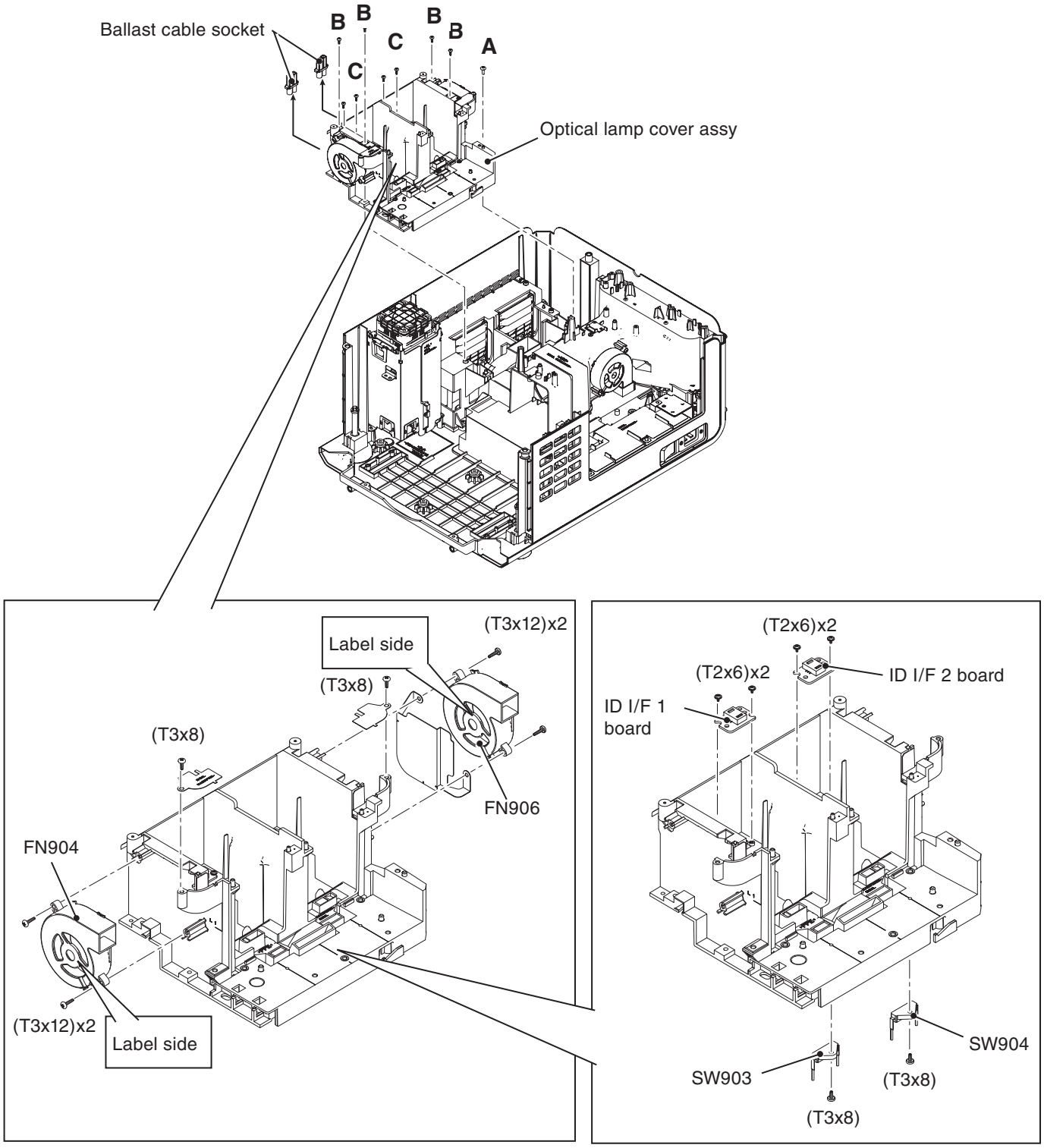


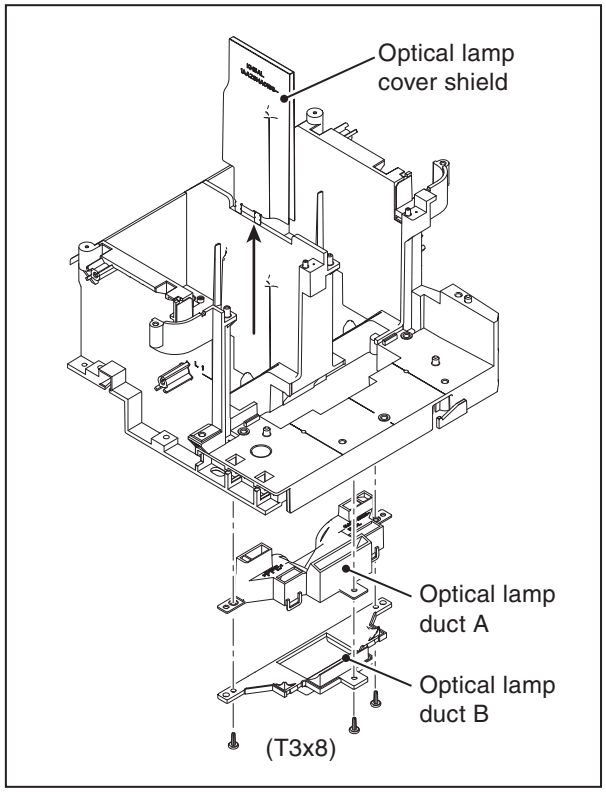


Note:
As the prism(TIR) is a very sensitive component, never touch or wipe the surface of prism(TIR). If there are some dust particles on the prism(TIR) surface, use the air spray to remove them.

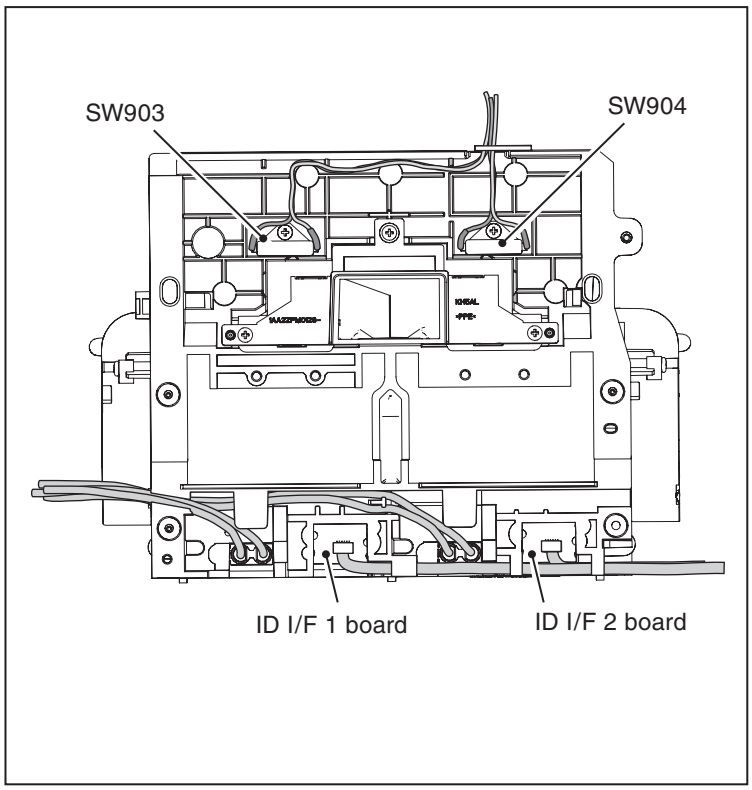
9 Optical lamp cover assy removal

1 Remove 1 screw-A (T4x10) and 4 screws-B (T3x8). Remove 2 screws-C(T3x8) on each ballast cable socket and then take the Optical lamp cover assy off.



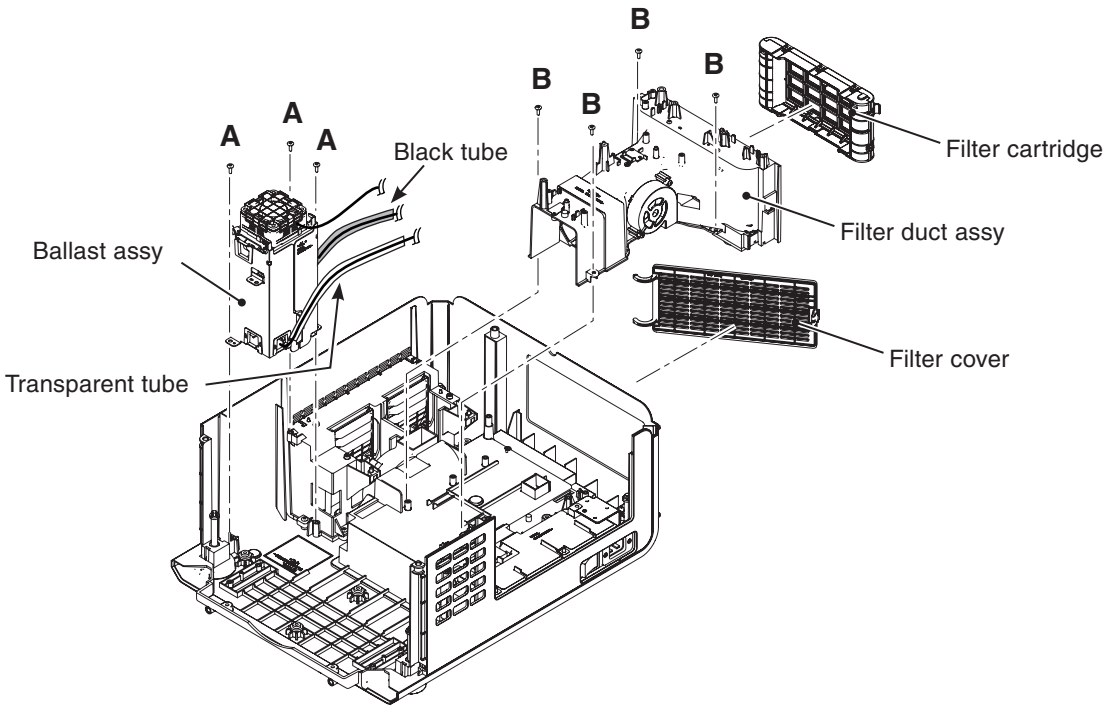


Wiring on optical lamp cover (Bottom side)

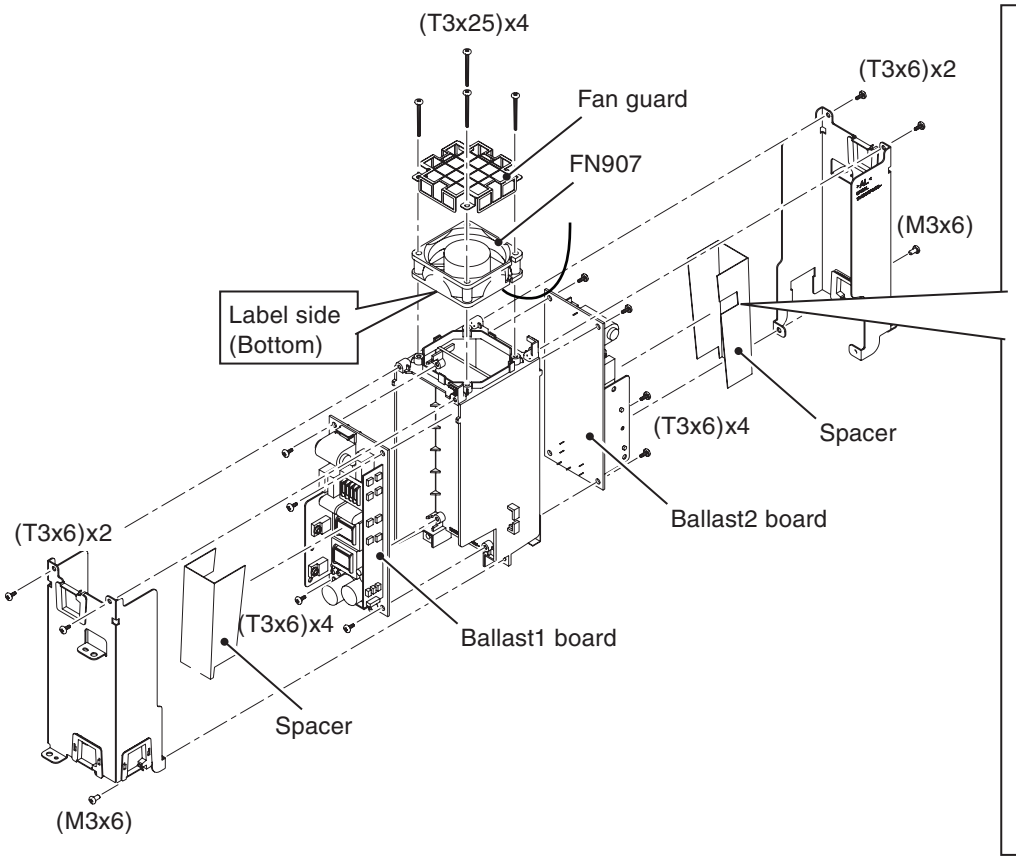


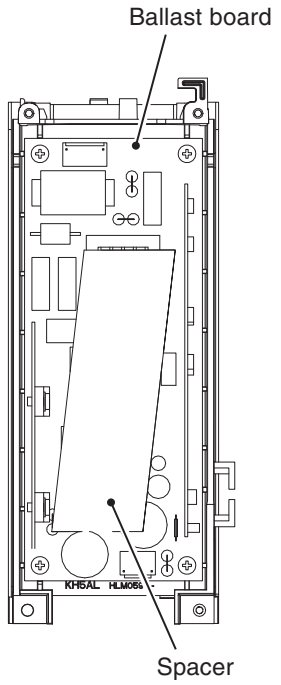
10 Ballast assy and Filter duct assy removal

1 Remove 3 screws-A (T4x10) and take the ballast assy off.
2 Remove the filter cover and filter cartridge.
3 Remove 4 screws-B (T4x10) and take the Filter duct assy off.



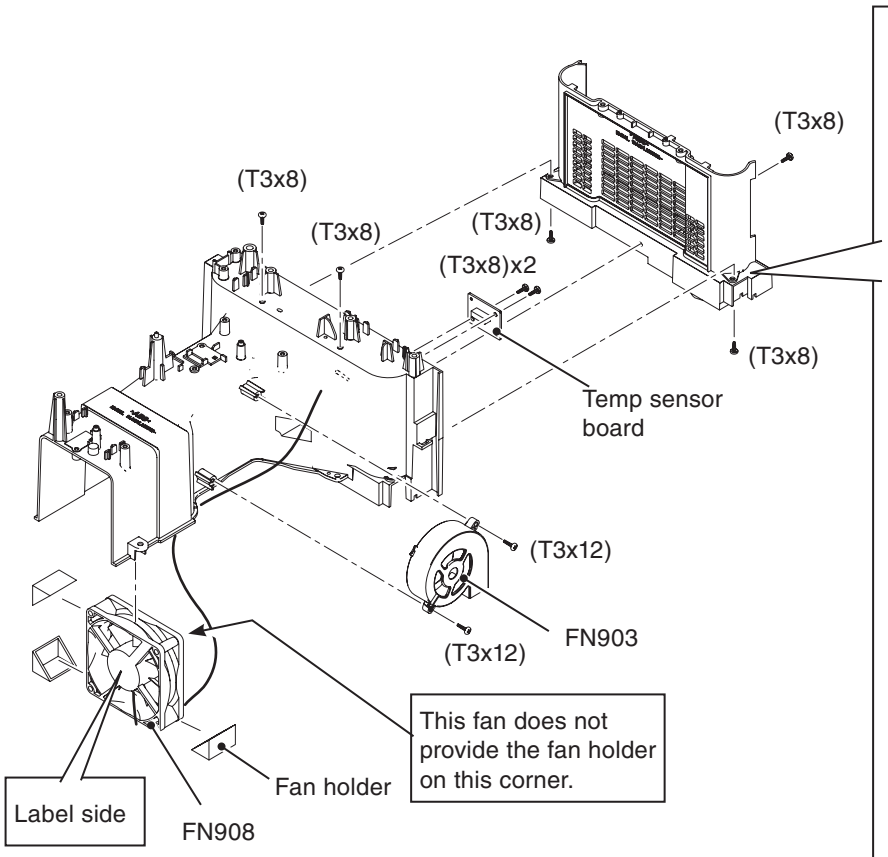
10-1 Ballast assy disassembly

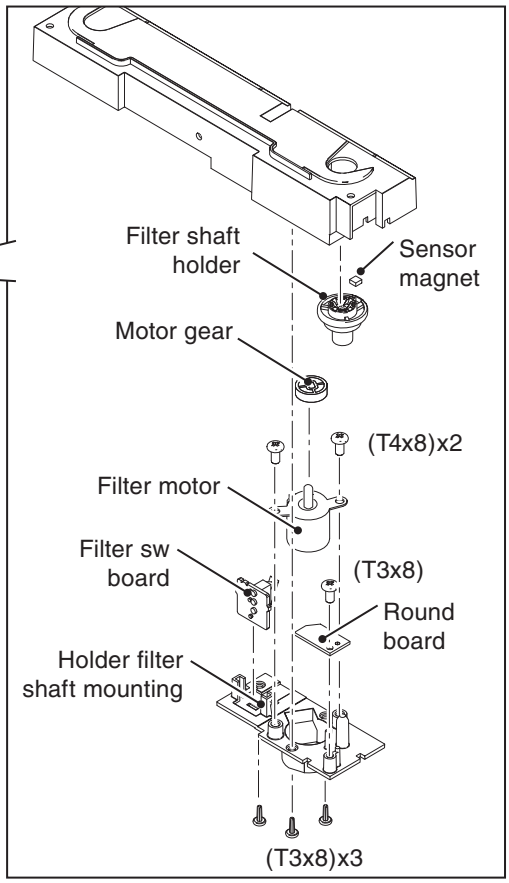




Spacer location on the ballast board

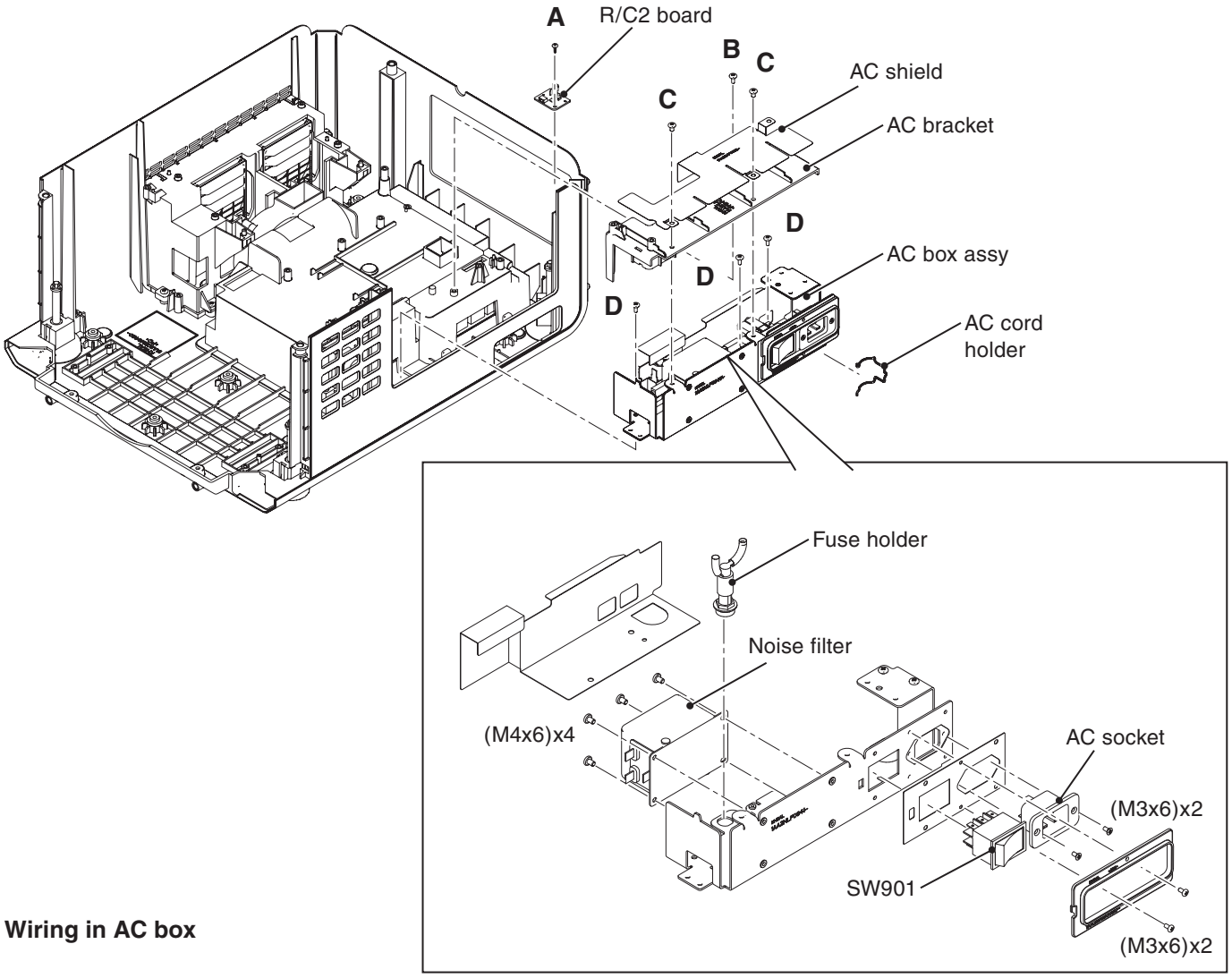
10-2 Filter duct assy disassembly



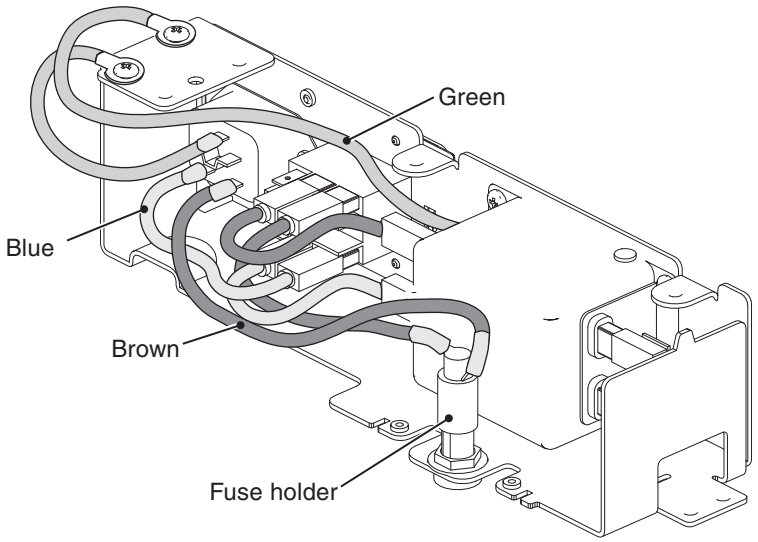


11 R/C2 board and AC box assy removal

1 Remove 1 screw-A (T3x8) and take the R/C2 board off.
2 Remove 1 screw-B (T4x8) and 2 screws-C (M4x6) take the AC bracket and AC shield off.
3 Remove 3 screws-D (T4x8) and take the AC box assy off.

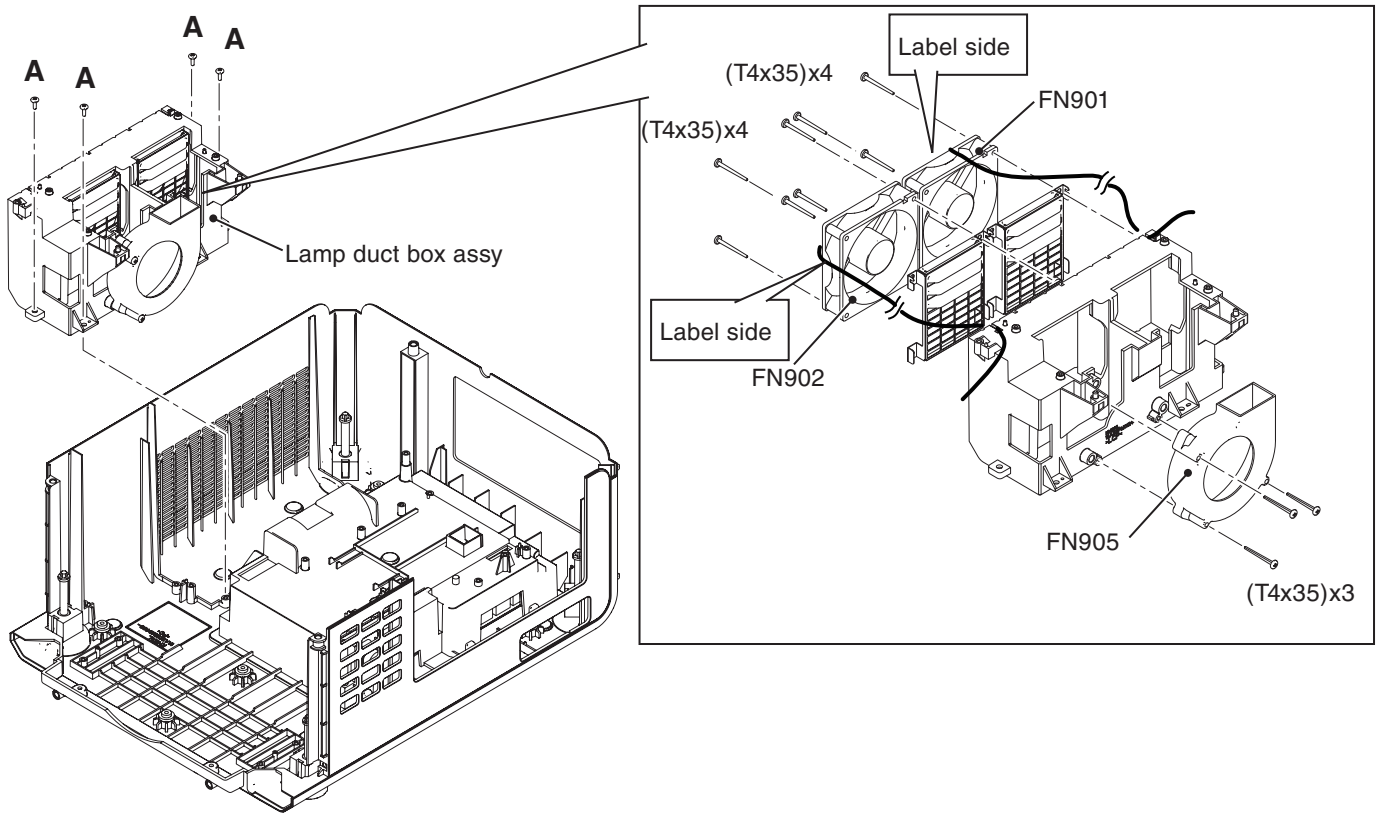


Wiring in AC box



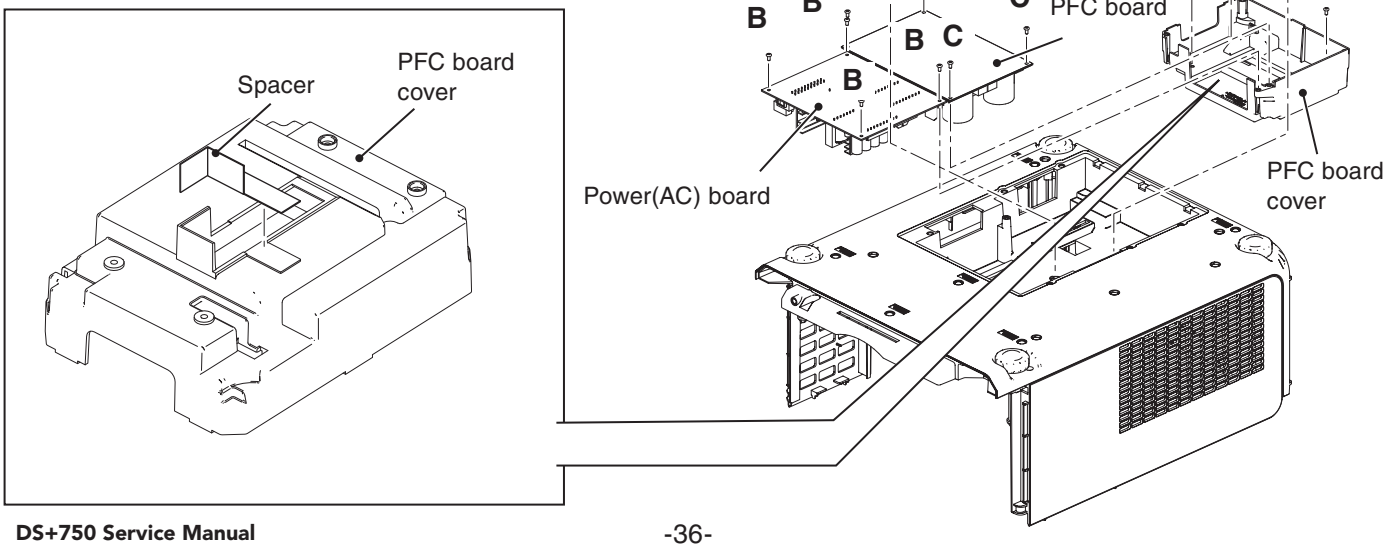
12 Lamp duct box assy removal

1 Remove 4 screws-A (T4x10) and take the lamp duct box assy off.



13 Power(AC) and PFC board removal

1 Remove 6 screws-A (M4x8) and take the Cabinet bottom cover off.
2 Remove 4 screws-B (M3x6) and take the Power(AC) board off.
3 Remove 4 screws-C (M3x6) and take the PFC board off.
4 Remove 4 screws-D (T3x8) and take the PFC board cover off.



Adjustments

Adjustments after Parts Replacement

● : Adjustment necessary ❍ : Check necessary

		Disassembly / Replaced Parts			
		Mirror / Light tunnel	Main board	Power (DC) board	Fans / Sensor (S901)
Adjustments	Mirror adjustment	●			
	Fan driving voltage adjustment		●	●	●
	Auto-calibration (PC) adjustment *		●		
	Auto-calibration (Slot) adjustment *		●		
	Auto-calibration (Component) adjustment *		●		
	Auto-calibration (Video) adjustment *		●		
	Wind sensor calibration		●	●	●
	Lens shift centering adjustment		●		
	Serial No. Setting **see below		●		

* Adjustments item indicated with * are carried out at spare parts shipment in the factory, therefore they are not required when the main board is replaced with new one.

Note on Main Board Replacement

Take the following setting when the main board is replaced.

Serial No. Setting
Each projector has an unique serial no. controlled in the factory. There are 2 ways to check this serial no. The one is printed on the rating label on the cabinet, the other one is displayed on the "Information" on the on-screen menu. The serial no. displayed on the on-screen menu is stored in the memory IC on the main board. When replacing the main board or memory IC, you need to write the serial no. referring to the serial no. printed on the rating label with the serial no. setting tool. For further details, refer to the operation manual of the serial no. setting tool [SST LITE v1.00].

Those software are included in the service CD-ROM listed below;
PROJECTOR SERVICE TOOL CD-ROM v4.20
SERVICE CODE: 610 343 5596

Enabling/Disabling the Wind Sensor Function

When the Main Board is replaced with new one, the projector detects the clogged filter and rolls up the filter until it ends because the wind sensor setting value in the memory IC on the new board is not setup correctly. To avoid this operation, disable the wind sensor function temporarily following to the procedure below.

1. Enter the service mode, select group no. "**240**" and item no. "**2**". Change data value from "**1**" to "**0**". Now the function of wind sensor is disabled.
2. After completing the "Fan driving voltage adjustment", set up to enable the function of the wind sensor. (Group no. "**240**" , Item no. "**2**", Data value is set to "**1**")
3. Execute the adjustment "Filter calibration".

Service Adjustment Menu Operation

To enter the service mode

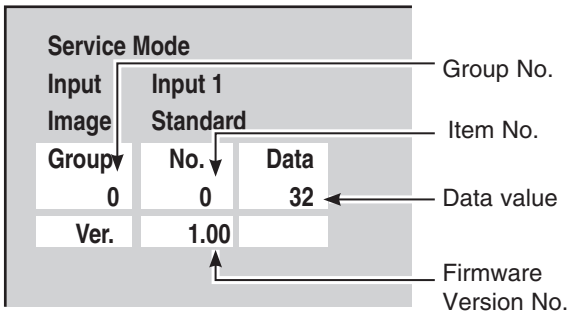
To enter the “Service Mode”, press and hold the **MENU** and **SELECT button** for more than 3 seconds. The service menu appears on the screen as follows.

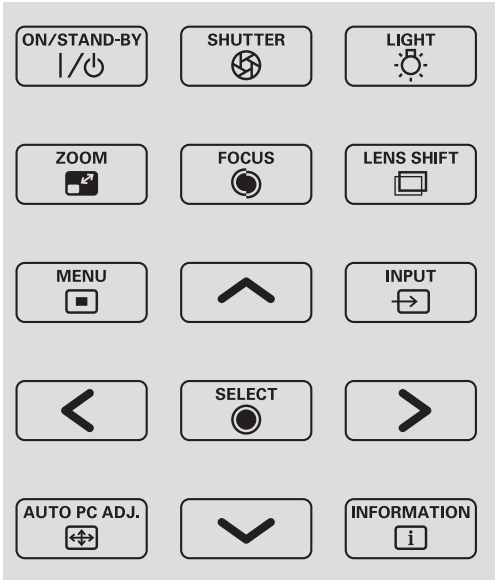
To adjust service data

Select the adjustment group no. by pressing the **MENU button** (increase) or **SELECT button** (decrease), and select the adjustment item no. by pressing the pointer ⊙ or ⊙ **button**, and change the data value by pressing the ⊙ or ⊙ **button**. Refer to the “Service Adjustment Data Table” for further description of adjustment group no., item no. and data value.

To exit the service mode

To exit the service mode, press the **ON/STAND-BY button**.





Optical Adjustments

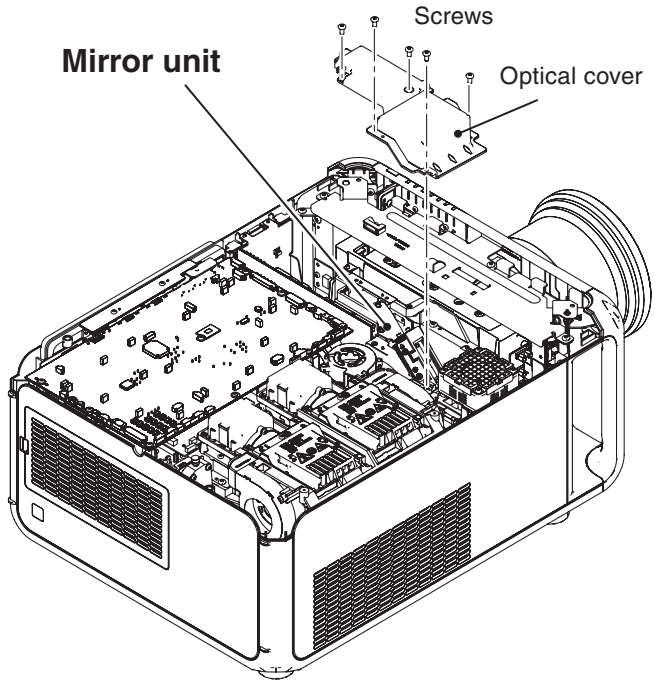
WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

Before Adjustment

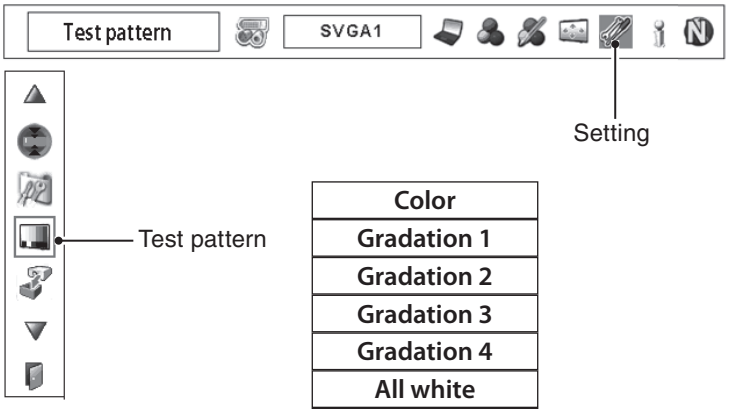
Put on the projector in the darkest room. Each adjustment requires hex wrenches and slot screwdrivers.

1 Set the motorized lens shift to the center position (horizontal and vertical) by pressing the LENS SHIFT button for more than 5 seconds. The lens moves to the center position automatically.
2 When adjusting optical components adjustments, using Standard Zoom Lens is recommended.
3 Set "Dynamic black" function to "Off".
4 Remove 5 screws and remove the optical cover.



To select the internal test pattern

1 Press the MENU button.
2 Select the "Test Pattern" from the "Setting" menu.
3 Press the SELECT button. The test pattern menu appears on the screen.
4 Select a pattern name and press SELECT button.
To cancel the test pattern, press any of the buttons.



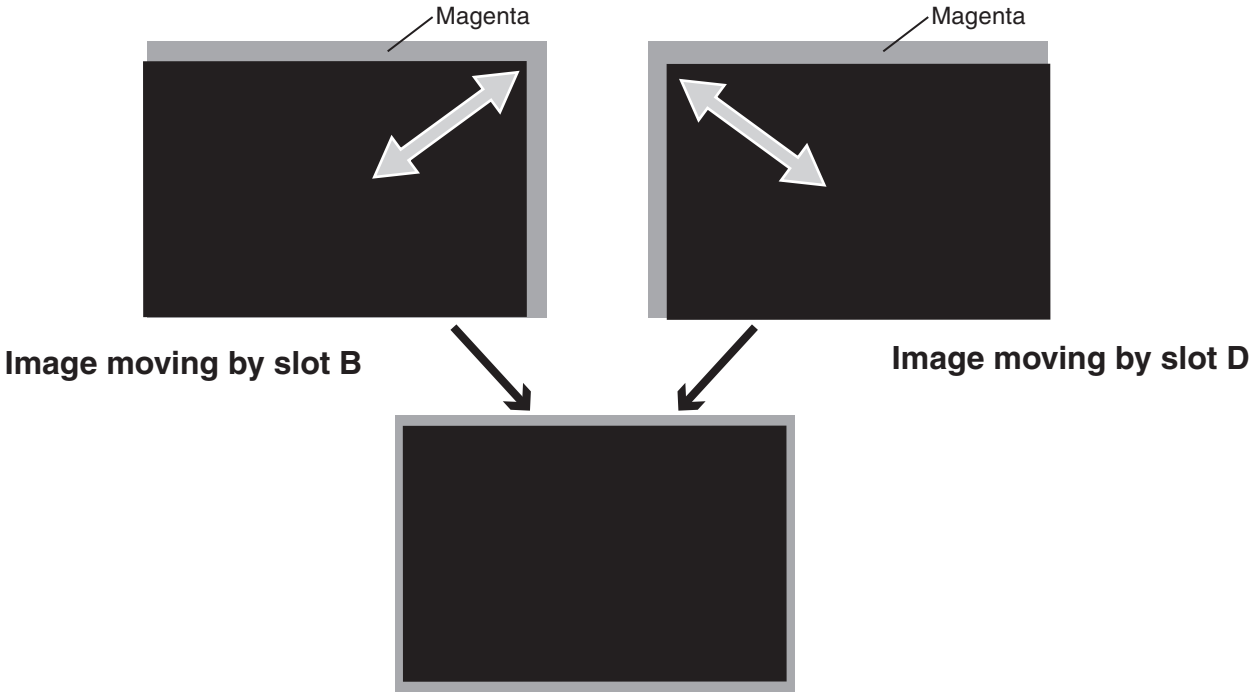
CAUTION:
When adjusting the optical components, do not insert any materials into the optical block for blocking the light. Or the optical block may be damaged by overheating or scratching the parts.

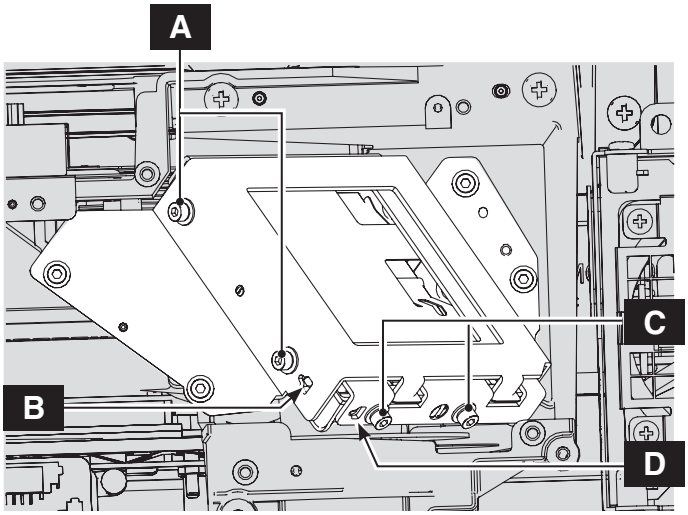
Mirror adjustment

1 Loosen 4 screws-**A** and **C** on the mirror unit.
2 Enter the service mode. Select Group "**152**", No. "**0**" and set data value to "**3**". The magenta color will appear on the edges of the screen. Exit service mode.
3 Select the internal test pattern signal "All black" from the projector's menu "Menu -> Setting -> Test pattern".
4 Move the mirror so that the magenta color appeared on screen edges becomes the same width.
- Insert a slot driver into the slot **B** or slot **D** and turn it to move the image as shown in the figure below.

5 Enter the service mode. Select Group "**152**", No. "**0**" and set data value to "**0**". Check that the magenta color on the edges of the screen will disappear . Exit service mode.
6 Select the internal test pattern signal "All white" from the projector's menu "Menu -> Setting -> Test pattern". Check there is no color shading on the screen edges.
7 Tighten screws **A** and **C** to fix the mirror unit gently.

(Target screen image)





Electrical Adjustment

Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety. Before taking these adjustments, turn the projector for more than 10 minutes to stabilize the operation.

WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

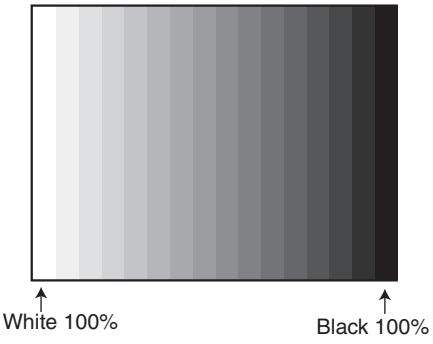
CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

[Adjustment Condition]

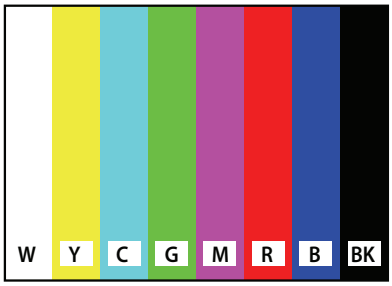
● Input signal

Computer signal ..... 0.7Vp-p/75Ω terminated
Video signal ..... 1.0Vp-p/75Ω terminated
Component Video signal .... 0.7Vp-p/75Ω terminated

16 steps gray scale pattern



100% full color bar pattern



● Picture control mode ..... “STANDARD” mode unless otherwise noted.

Note:

* Please refer to “Service Adjustment Menu Operation” for entering the service mode and adjusting the service data.

1 Fan driving voltage adjustment

Equipment	Digital voltmeter
Lamp mode	2 Lamps
Lamp control	Eco1

1. Enter the service mode.
2. Change data values of each test point to adjust the fan driving voltage.

Group	No.	Fan	Connection	Adjustment value
250	**1**	Fan_1	K66S-1	**13.8 +0 -0.1Vdc**
250	**0**	Fan_1	K66S-1	**5.0 +0.1 -0Vdc**
250	**3**	Fan_2	K66S-2	**13.8 +0 -0.1Vdc**
250	**2**	Fan_2	K66S-2	**4.0 +0.1 -0Vdc**
250	**5**	Fan_3	K66S-3	**13.8 +0 -0.1Vdc**
250	**4**	Fan_3	K66S-3	**6.0 +0.1 -0Vdc**
250	**7**	Fan_4	K66S-4	**13.8 +0 -0.1Vdc**
250	**6**	Fan_4	K66S-4	**6.5 +0.1 -0Vdc**
250	**9**	Fan_5	K66S-5	**13.8 +0 -0.1Vdc**
250	**8**	Fan_5	K66S-5	**5.0 +0.1 -0Vdc**

Note :
Group Fan_1: FN905
Group Fan_2: FN904, FN906
Group Fan_3: FN903, FN907, FN909
Group Fan_4: FN901, FN902
Group Fan_5: FN908

2 Auto calibration (PC)

Input mode	Computer mode (Input 1)
Input signal	16-step gray scale computer signal

1. Enter the service mode.
2. Select Group "**260**", No. "**100**" and set data value to "**1**".
3. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
4. Select Group "**260**", No. "**100**" and set data value to "**3**".
5. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
6. Select Group "**260**", No. "**100**" and set data value to "**0**".

3 Auto calibration (Slot)

Input mode	Computer mode (Input 3)
Input signal	16-step gray scale computer signal
Slot board	Analog RGB input board equipped

1. Enter the service mode.
2. Select Group "**260**", No. "**100**" and set data value to "**2**".
3. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
4. Select Group "**260**", No. "**100**" and set data value to "**0**".

4 Auto calibration (Component)

Input mode	Video mode (Input 2 -Component)
Input signal	100% color bar signal (480i)

1. Enter the service mode.
2. Select Group "**260**", No. "**100**" and set data value to "**4**".
3. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
4. Select Group "**260**", No. "**100**" and set data value to "**5**".
5. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
6. Select Group "**260**", No. "**100**" and set data value to "**0**".

5 Auto calibration (Video)

Input mode	Video mode (Input 2 -Composite)
Input signal	16-step gray scale composite video signal

1. Enter the service mode.
2. Select Group "**260**", No. "**100**" and set data value to "**6**".
3. Select Group "**260**", No. "**0**" and set data value "**0**" to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.
4. Select Group "**260**", No. "**100**" and set data value to "**0**".

Adjustments item no. [2] to [5] are carried out at the spare parts shipment in the factory, therefore they are not required when the main board is replaced with new one.

PC, Video, Component Manual adjustment

When the PC, Video or Component Auto Calibration fails, take the following manual adjustment instead of auto calibration.

[1] Manual adjustment (PC)

Input mode Computer mode
Input signal 16-step gray scale computer signal

1. Select Group "**260**", No. "**100**" and set data value to "**1**".
2. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).

Group	No.	Adjustment
10 -	3	ADC-Green Gain
10 -	4	ADC-Red Gain
10 -	5	ADC-Blue Gain

3. Select Group "**260**", No. "**100**" and set data value to "**3**".
4. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).

Group	No.	Adjustment
0 -	3	ADC-Green Gain
0 -	4	ADC-Red Gain
0 -	5	ADC-Blue Gain

5. Select Group "**260**", No. "**100**" and set data value to "**0**".

[2] Manual adjustment (Slot)

Input mode Computer mode (Input 3)
Input signal 16-step gray scale computer signal
Slot board Analog RGB input board equipped

1. Select Group "**260**", No. "**100**" and set data value to "**2**".
2. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).

Group	No.	Adjustment
10 -	3	ADC-Green Gain
10 -	4	ADC-Red Gain
10 -	5	ADC-Blue Gain

3. Select Group "**260**", No. "**100**" and set data value to "**0**".

[3] Manual adjustment (Component)

Input mode Video mode (Input 2 -Component)
Input signal 100% color bar signal (480i)

1. Select Group "**260**", No. "**100**" and set data value to "**4**".
2. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).

Group	No.	Adjustment
10 -	3	Y Gain

3. Select Group "**260**", No. "**100**" and set data value to "**5**".
4. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).

Group	No.	Adjustment
0 -	3	Y Gain

5. Select Group "**260**", No. "**100**" and set data value to "**0**".

[4] Manual adjustment (Video)

Input mode Video mode (Input 2 -Composite)
Input signal 16-step gray scale composite video signal

1. Select Group "**260**", No. "**100**" and set data value to "**6**".
2. Adjust the data values listed in the table below as the 100% white part on the screen becomes the most noisy (darkest).
3. Select Group "**260**", No. "**100**" and set data value to "**0**".

Group	No.	Adjustment
20 -	0	Y Level

Image example of manual adjustment for [PC / Slot / Video]

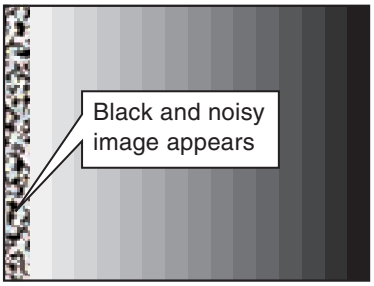
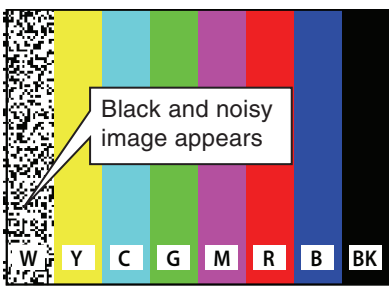


Image example of manual adjustment for [Component]



6 Wind Sensor calibration

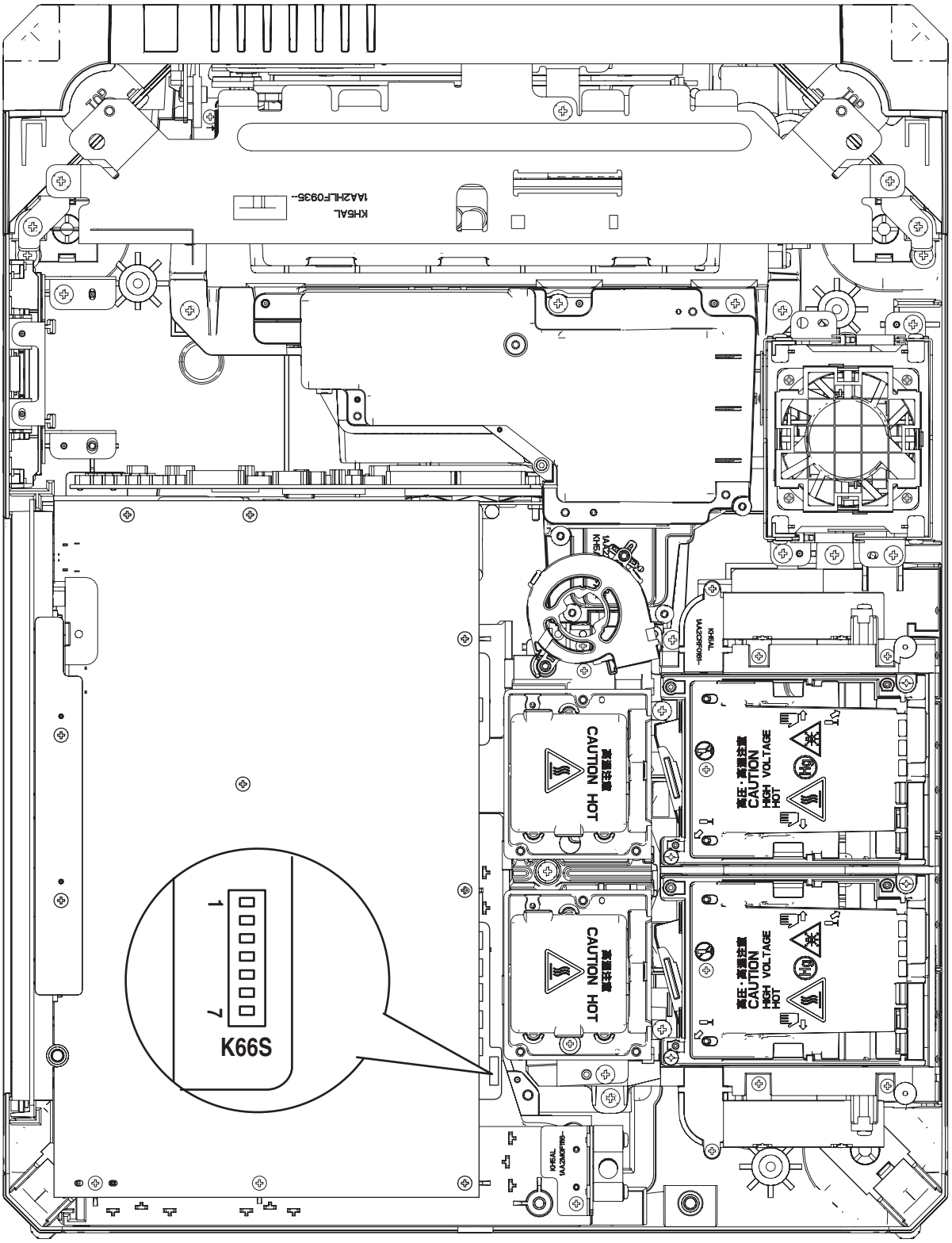
1. Enter the service mode.
2. Select group no. “**240**” and item no. “**2**”. Confirm the Data value is “**1**”.
   0: Wind sensor function Disable
   1: Wind sensor function Enable
3. Select group no. “**240**” and item no. “**0**”.
4. To start the adjustment, change data value from “**0**” to “**1**”. After the auto-calibration completed, "OK" will appear on the screen.

IMPORTANT
Before taking this adjustment, you need to replace the air filter with new one or scroll up the filter sheet and make sure the cabinet top, filter cover and filter cartridge are securely installed.

7 Lens shift Centering setting

1. Set the motorized lens shift to the center position (horizontal and vertical) by using the LENS SHIFT Up/Down, Left/Right buttons.
2. Enter the service mode, select group no. “**200**” and item no. “**15**” .
3. Change data value from “**0**” to “**10**”. The centering position of the lens shift is memorized.
4. To check the lens shift operation correctly, move the lens to your desired position with LENS SHIFT buttons. Then press the LENS SHIFT button for more than 5 seconds. The lens moves to the memorized center position automatically.

Test Points and Locations



Service Adjustment Data Table

These initial values are the reference data written from the CPU ROM to memory IC when replaced new memory IC. The adjustment items indicated with "⁎" are required to readjust following to the "Electrical adjustments". Other items should be used with the initial data value.

Grp / No.	Item	Function	Range	Initial	Note
0	AD Converter (PW392)				
3	ADC G-GAIN	RGB (OnBoard/Slot) / YCbCr (OnBoard/Slot) / SCART	0 - 1023	265/210/229	
4	ADC R-GAIN	RGB (OnBoard/Slot) / YCbCr (OnBoard/Slot) / SCART	0 - 1023	265/235/232	
5	ADC B-GAIN	RGB (OnBoard/Slot) / YCbCr (OnBoard/Slot) / SCART	0 - 1023	255/225/233	
10	SOGTH	RGB / COMPONENT / SCART	0 - 15	2 / 4 / 4	
11	SOGHYSDIS	RGB / COMPONENT / SCART	0 - 1	2 / 1 / 0	
12	HS1TH	H Sync1 Threshold RGB / COMPONENT / SCART	0 - 15	4 / 4 / 4	
13	HS0TH	H Sync0 Threshold RGB / COMPONENT / SCART	0 - 15	4 / 4 / 4	
10	AD Converter (ISL51002/ISL98001)				
3	ADC G-GAIN	RGB (OnBoard) / RGB (Slot) / YCbCr (OnBoard/Slot)	0 - 1023	290/290/170	
4	ADC R-GAIN	RGB (OnBoard) / RGB (Slot) / YCbCr (OnBoard/Slot)	0 - 1023	290/290/170	
5	ADC B-GAIN	RGB (OnBoard) / RGB (Slot) / YCbCr (OnBoard/Slot)	0 - 1023	290/290/140	
20	Video Decoder				
0	Y Level		0 - 1023	153	
1	C Level		0 - 1023	410	
10	XCXL Parameter	XCXL Level	0 - 4	2	
11	Sync Amp Low	Minimum sync amplitude threshold for HLOCK 1 to 0 transition	0 - 9999	1792	
12	Sync Amp High	Minimum sync amplitude threshold for HLOCK 0 to 1 transition	0 - 9999	4096	
13	Luma Setup Enable	7.5IRE Mode (NTSC only)	0 - 1	0	
14	Anti-Alias Filter	Anti-Alias Filter	0 - 7	4	
15	Anti-Alias Downsample	Anti-Alias Downsample	0 - 3	0	
16	Anti-Alias High Frequency	Anti-Alias High Frequency	0 - 3	3	
20	Comb 3D Cross-Luma Top/Bottom Amplitude	for PAL/SECAM only	0 - 3	3	
35	DVI Equalizer (DS16E5110)				
0	CH0 Boost Data	Boost Setting Value	0 - 7	1	
1	CH1 Boost Data	Boost Setting Value	0 - 7	1	
2	CH2 Boost Data	Boost Setting Value	0 - 7	1	
40	General				
0	IP Mode	Set at IP OFF 0: Not used IP Block 1: Used IP Block and IP OFF	0 - 1	1	
1	3:2 PullDown Mode	bit0: Global Motion bit1: Video Motion	1 - 3	1	
2	Detect Film Mode Enable	0: 2:3pull down & 2:2pull down 1: 2:3pull down 2: 2:2pull down	0 - 2	0	
3	NR Enable for Analog YUV	0 : Noise Reduction detected with Y and UV motion 1 : Noise Reduction detected with Y motion	0 - 1	1	
4	NR Enable for Digital YUV		0 - 1	0	
41	Deinterlacer setting	Progressive Mode1, Film Parameter			
0	Motion Adaptive Weight Value	<KDEINT>	0 - 255	30/30/30	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	0 - 5	4/4/4	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0 - 255	0/0/0	
42	Deinterlacer setting	Progressive Mode2 Parameter			
0	Motion Adaptive Weight Value	<KDEINT>	0 - 255	0/0/0	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	0 - 5	2/2/2	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0 - 255	0/0/0	
47	Noise Reduction (time)	NR L1 Parameter			
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	0 - 2	1	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	0 - 1023	12	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	0 - 1023	24	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	0 - 1023	40	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0 - 255	100	
49	Noise Reduction (time)	NR L2 Parameter			
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	0 - 2	1	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	0 - 1023	12	

Grp / No.	Item	Function	Range	Initial	Note
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	0 - 1023	24	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	0 - 1023	40	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0 - 255	100	
50	2:2pull down setting				
0	22Film Mode Sensitivity	Film Detection Sensitivity <FILMSTVT22>	1 - 5	4	
1	22Film Mode Threshold Low	<FILMTHRD22A>	0 - 1023	80	
2	22Film Mode Threshold High	<FILMTHRD22B>	0 - 1023	120	
3	Video Motion Window Start X	<VOFSTARX>	0 - 255	10	
4	Video Motion Window Stop X	<VOFSTOPX>	0 - 255	10	
5	Video Motion Window Start Y	<VOFSTARY>	0 - 255	10	
6	Video Motion Window Stop Y	<VOFSTOPY>	0 - 255	10	
51	2:3pull down setting				
0	Global Motion Sensitivity	Film Detection Sensitivity <FILMSTVT23>	1 - 5	4	
1	Video Motion Sensitivity	Film Detection Sensitivity <VOFSTVT>	1 - 5	4	
2	Video Motion Threshold Low	<VOFTHRDA>	0 - 1023	120	
3	Video Motion Threshold High	<VOFTHRDB>	0 - 1023	180	
4	Global Motion 23Film Threshold	<FILMTHRD23>	0 - 1023	100	
5	Global Motion Window Start X	<GMDSTARX>	0 - 255	10	
6	Global Motion Window Stop X	<GMDSTOPX>	0 - 255	10	
7	Global Motion Window Start Y	<GMDSTARY>	0 - 255	10	
8	Global Motion Window Stop Y	<GMDSTOPY>	0 - 255	10	
55	LTI / CTI				
0	Video Enhancement Enable	VEHEN	0 - 1	1	
1	DLTI Gain	DLTIGAIN	0 - 15	3	
2	DLTI Frequency	DLTIFREQ	0 - 3	2	
3	Bypass Anti-Alias Filter	DTIBYPASSAAL	0 - 1	0	Effect only Composite, S-video
4	Lower DCTI Frequency	LOWERDCTIFREQ	0 - 1	1	
5	DCTI Gain	DCTIGAIN	0 - 15	4	
6	DCTI Frequency	DCTIFREQ	0 - 3	0	
7	Color Shift Limit	COLORSHIFTLMT	0 - 3	3	
60	Sub Image				
0	Center Contrast		0 - 1023	590/590/590/500/500/554/ 554/500/500/554/500	
1	Center Brightness		0 - 1023	512/512/512/512/512/495/ 495/512/512/495/512	
2	Center Color		0 - 1023	[Bright Wheel] 512/512/512/512/512/512/ 512/512/512/512/512 [Color Wheel] 576/576/576/512/576/512/ 576/512/576/576/512	
3	Center Tint		0 - 180	90/90/90/90/90/90/90/90/90/90/90	
4	Fixed Sharpness(Up Scaling)		0-37	8/8/8/12/8/12/8/12/8/8/8	
5	Fixed Sharpness(Down Scaling)		0-37	8/8/8/8/8/8/8/8/8/8/8	
6	Center Sharpness(No FPGA)	Group	0-37	16/16/16/16/16/16/16/16/16/16/16	
7	Center WB Red	Composite / S-Video / Component / Digital /D-RGB-Video /AnalogRGB / RGB-Video / HDCP-PC /HDCP-AV /SCART/ PJ-Net	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
8	Center WB Green	Value = (Menu Value - Menu Center) x Alpha / 10 + Center (Effective Range)	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
9	Center WB Blue	Contrast [Max] 1023 [Min] 0 Brightness [Max] 1023 [Min] 0	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
10	Center BB Red	Color [Max] 1023 [Min] 0 Tint [Max] 180 [Min] 0	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
11	Center BB Green	Sharpness [Max] 57 [Min] 0 (Dummy) WB R/G/B [Max] 1023 [Min] 0	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
12	Center BB Blue	BB R/G/B [Max] 1023 [Min] 0 Fixed Sharpness Up/Down [Max] 37 [Min] 0	0 - 1023	512/512/512/512/512/512 /512/512/512/512/512	
13	Alpha Contrast		0 - 1000	60/60/60/60/60/60/60/60/60/60/60	
14	Alpha Brightness		0 - 1000	90/90/90/90/90/90/90/90/90/90/90	
15	Alpha Color		0 - 1000	140/140/140/140/140/140 /140/140/140/140/140	
16	Alpha Tint		0 - 1000	10/10/10/10/10/10/10/10/10/10/10	
17	Alpha Sharpness		0 - 1000	10/10/10/10/10/10/10/10/10/10/10	
18	Alpha WB Red		0 - 1000	40/40/40/40/40/40/40/40/40/40/40	
19	Alpha WB Green		0 - 1000	40/40/40/40/40/40/40/40/40/40/40	
20	Alpha WB Blue		0 - 1000	40/40/40/40/40/40/40/40/40/40/40	
21	Alpha BB Red		0 - 1000	20/20/20/20/20/20/20/20/20/20/20	
22	Alpha BB Green		0 - 1000	20/20/20/20/20/20/20/20/20/20/20	
23	Alpha BB Blue		0 - 1000	20/20/20/20/20/20/20/20/20/20/20	

Grp / No.	Item	Function	Range	Initial	Note
80	FPGA_NIOS				
0	Demo On/Off	Demo Mode On/Off (1:ON,0:Off)	0 - 1	0	
1	Demo Mode	Demo Mode Swith (0:Demo0,1:Demo1...)	0 - 7	0	
2	Area Big Chg		0 - 4095	67	
3	Area Small Chg		0 - 4095	67	
4	Area Chg Sens		0 - 4095	150	
5	UV_DLT		0 - 31	3	
6	UV_GAIN		0 - 2047	1030	
7	UV_SFT		0 - 32767	6180	
8	Y Range	Brightness (Y) Range	0 - 31	8	
9	Hue Range	Hue Range	0 - 30	15	
10	Gain Range	Hue Gain Range (1/100)	0 - 50	30	
11	GM_Min Slope	Gamma Min. Slope (1/10)	0 - 10	3	
12	GM_Max Slope	Gamma Max Slope (1/10)	10 - 30	18	
13	GM_Converge	Gamma Converge Point	1 - 5	3	
14	Same Hue	Same Hue Range on Color Correction	1 - 10	3	
15	Cur_UV Norm	Min. UV Norm on Color Correction	0 - 255	5	
16	Cur_Min Y	Min. Brightness on Color Correction	0 - 255	0	
17	Cur_Max Y	Max Brightness on Color Correction	0 - 255	255	
18	Same_Y	Same Brightness Range on Color Correction	0 - 63	24	
19	Conv_Y	Converge Brightness Range on Color Correction	0 - 127	64	
20	WB_Limit 0	WB Correction Limit Point 0 [Black]	0 - 255	4	
21	WB_Limit 1	WB Correction Limit Point 1	0 - 255	4	
22	WB_Limit 2	WB Correction Limit Point 2	0 - 255	6	
23	WB_Limit 3	WB Correction Limit Point 3	0 - 255	7	
24	WB_Limit 4	WB Correction Limit Point 4	0 - 255	9	
25	WB_Limit 8	WB Correction Limit Point 8 [White]	0 - 255	16	
26	WB_Limit In	WB Correction Limit In (WB_Limit In < WB_Limit Out)	0 - 255	8	
27	WB_Limit Out	WB Correction Limit Out (WB_Limit In < WB_Limit Out)	0 - 255	16	
28	BKMOD	0:Blending Mode (NORMAL) 4 Video Overlap Disable 1:Blending Mode (BLANKING) 4 Video Overlap Disable 2:Blending Mode (NORMAL) 4 Video Overlap Enable 3:Blending Mode (BLANKING) 4 Video Overlap Enable	0 - 3	0	
29	BLD_I_SIZE_H	Blending : Inner Frame Width H	0 - 255	0	
30	BLD_I_SIZE_V	Blending : Inner Frame Width V	0 - 255	0	
31	BLD_CURVE	Blending : CURVE	0 - 255	0	
32	RGB_GAIN_4SEG_BCON_DYNAMIC	Blending : RGB_GAIN (4SEG,BC ON,Dynamic)	0 - 511	256	
33	RGB_GAIN_4SEG_BCON_STANDARD	Blending : RGB_GAIN (4SEG,BC ON,Standard)	0 - 511	256	
34	RGB_GAIN_4SEG_BCON_CINEMA	Blending : RGB_GAIN (4SEG,BC ON,Cinema)	0 - 511	256	
35	RGB_GAIN_4SEG_BCON_REAL	Blending : RGB_GAIN (4SEG,BC ON,Real)	0 - 511	256	
36	RGB_GAIN_4SEG_BCON_DICOM	Blending : RGB_GAIN (4SEG,BC ON,Dicom)	0 - 511	256	
37	RGB_GAIN_4SEG_BCOFF_DYNAMIC	Blending : RGB_GAIN (4SEG,BC OFF,Dynamic)	0 - 511	256	
38	RGB_GAIN_4SEG_BCOFF_STANDARD	Blending : RGB_GAIN (4SEG,BC OFF,Standard)	0 - 511	256	
39	RGB_GAIN_4SEG_BCOFF_CINEMA	Blending : RGB_GAIN (4SEG,BC OFF,Cinema)	0 - 511	256	
40	RGB_GAIN_4SEG_BCOFF_REAL	Blending : RGB_GAIN (4SEG,BC OFF,Real)	0 - 511	256	
41	RGB_GAIN_4SEG_BCOFF_DICOM	Blending : RGB_GAIN (4SEG,BC OFF,Dicom)	0 - 511	256	
42	RGB_GAIN_6SEG_BCON_DYNAMIC	Blending : RGB_GAIN (6SEG,BC ON,Dynamic)	0 - 511	256	
43	RGB_GAIN_6SEG_BCON_STANDARD	Blending : RGB_GAIN (6SEG,BC ON,Standard)	0 - 511	256	
44	RGB_GAIN_6SEG_BCON_CINEMA	Blending : RGB_GAIN (6SEG,BC ON,Cinema)	0 - 511	256	
45	RGB_GAIN_6SEG_BCON_REAL	Blending : RGB_GAIN (6SEG,BC ON,Real)	0 - 511	256	
46	RGB_GAIN_6SEG_BCON_DICOM	Blending : RGB_GAIN (6SEG,BC ON,Dicom)	0 - 511	256	
47	RGB_GAIN_6SEG_BCOFF_DYNAMIC	Blending : RGB_GAIN (6SEG,BC OFF,Dynamic)	0 - 511	256	
48	RGB_GAIN_6SEG_BCOFF_STANDARD	Blending : RGB_GAIN (6SEG,BC OFF,Standard)	0 - 511	256	
49	RGB_GAIN_6SEG_BCOFF_CINEMA	Blending : RGB_GAIN (6SEG,BC OFF,Cinema)	0 - 511	256	
50	RGB_GAIN_6SEG_BCOFF_REAL	Blending : RGB_GAIN (6SEG,BC OFF,Real)	0 - 511	256	
51	RGB_GAIN_6SEG_BCOFF_DICOM	Blending : RGB_GAIN (6SEG,BC OFF,Dicom)	0 - 511	256	
81	FPGA_MOTHER				

Grp / No.	Item	Function	Range	Initial	Note
1	PC-Dot Clock Rate	Slot - Digital Dot Clock Rate for PC	900 - 1100	1002	
2	AV-Dot Clock Rate	Slot - Digital Dot Clock Rate for AV	900 - 1100	1002	
82	FPGA_MOTHER (Slot,Card)				
0	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase [DVI-Dsub]	0 - 7	5	
1	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase [HDCP-DVI]	0 - 7	5	
2	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase [Dual-SDI]	0 - 7	5	
3	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase [AMIMON]	0 - 7	5	
4	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase [Warp & Blending]	0 - 7	5	
5	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase (Reserved)	0 - 7	0	
6	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase (Reserved)	0 - 7	0	
7	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase (Reserved)	0 - 7	0	
8	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase (Reserved)	0 - 7	0	
9	SIG_DLY_AJY (EXT. SLOT1)	EXT. SLOT1 Clock Phase (Reserved)	0 - 7	0	
10	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase [DVI-Dsub]	0 - 7	5	
11	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase [HDCP-DVI]	0 - 7	5	
12	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase [Dual-SDI]	0 - 7	5	
13	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase [AMIMON]	0 - 7	5	
14	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase [Warp & Blending]	0 - 7	5	
15	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase (Reserved)	0 - 7	0	
16	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase (Reserved)	0 - 7	0	
17	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase (Reserved)	0 - 7	0	
18	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase (Reserved)	0 - 7	0	
19	SIG_DLY_AJY (EXT. SLOT2)	EXT. SLOT2 Clock Phase (Reserved)	0 - 7	0	
83	FPGA_SW				
26	LVDS_AJY_TIM		0 - 7	5	
27	LVDS_AJY_PHASE		0 - 255	106	
150	DDP Option				
0	Test Pattern	0:Normal 1:Test Pattern	0 - 1	0	
151	Color Wheel				
0	Index Delay (Master)		0 - 360	-	
1	Index Delay (Slave)		0 - 360	-	
2	ID Check SW	0: Disable 1: Enable	0 - 1	1	
10	Index Offset Setting	Offset Value to Slave	0 - 100	37	
152	Dynamic Black				
0	Dynamic Black Forced OFF	0:Link to Memu 1:Reserved 2:Reserved 3:Fixed 4:Forced OPEN (Aperture Pos : 0) 5:Forced Max Close (Aperture Pos : 255)	0 - 5	0	
1	Aperture Position		1 - 255	1	
2	Aperture Speed		0 - 255	128	
3	[HIGH (DB Strong)]Aperture Min Pos not Dynamic	Effective only "Links to Menu" (Min---Open) Image(not Dynamic)	1 - 255	125	
4	[HIGH (DB Strong)]Aperture Max Pos not Dynamic	Effective only "Links to Menu" (Max---Close) Image(not Dynamic)	1 - 255	254	
5	[HIGH (DB Strong)]Aperture Min Pos Dynamic	Effective only "Links to Menu" (Min---Open) Image(Dynamic)	1 - 255	125	
6	[HIGH (DB Strong)]Aperture Max Pos Dynamic	Effective only "Links to Menu" (Max---Close) Image(Dynamic)	1 - 255	254	
7	[LOW (DB Weak)]Aperture Min Pos not Dynamic	Effective only "Links to Menu" (Min---Open) Image(not Dynamic)	1 - 255	125	
8	[LOW (DB Weak)]Aperture Max Pos not Dynamic	Effective only "Links to Menu" (Min---Close) Image(not Dynamic)	1 - 255	165	
9	[LOW (DB Weak)]Aperture Min Pos Dynamic	Effective only "Links to Menu" (Min---Open) Image(Dynamic)	1 - 255	125	
10	[LOW (DB Weak)]Aperture Max Pos Dynamic	Effective only "Links to Menu" (Max---Close) Image(Dynamic)	1 - 255	165	
11	[OFF] Aperture OFF Pos not Dynamic	Effective only "Links to Menu" DB OFF	1 - 255	130	
12	[OFF] Aperture OFF Pos Dynamic	Effective only "Links to Menu" DB OFF	1 - 255	130	
13	Border Control	0:Disable,1:Enable	0 - 1	0	
14	Border Pixel Weight	0:0%,1:25%	0 - 3	1	
15	Border Config Left		0 - 2047	0	
16	Border Config Right		0 - 2047	1399	
17	Border Config Top		0 - 2047	0	
18	Border Config Bottom		0 - 2047	1049	
19	Dynamic Black Strength		0 - 3	2	

Grp / No.	Item	Function	Range	Initial	Note
155	CCA				
0	CCA Disable	0:Enable,1:Disable	0 - 1	0	
156	Color Matching - Measured Data				
0	Measured Red - X	Adjust the Measured Data of Color Macthcing Function	0 - 1000	-	
1	Measured Red - Y		0 - 1000	-	
2	Measured Red - Luma		0 - 32767	-	
10	Measured Green - X		0 - 1000	-	
11	Measured Green - Y		0 - 1000	-	
12	Measured Green - Luma		0 - 32767	-	
20	Measured Blue - X		0 - 1000	-	
21	Measured Blue - Y		0 - 1000	-	
22	Measured Blue - Luma		0 - 32767	-	
30	Measured Cyan - X		0 - 1000	-	
31	Measured Cyan - Y		0 - 1000	-	
32	Measured Cyan - Luma		0 - 32767	-	
40	Measured Magenta - X		0 - 1000	-	
41	Measured Magenta - Y		0 - 1000	-	
42	Measured Magenta - Luma		0 - 32767	-	
50	Measured Yellow - X		0 - 1000	-	
51	Measured Yellow - Y		0 - 1000	-	
52	Measured Yellow - Luma		0 - 32767	-	
60	Measured Half White - X		0 - 1000	-	
61	Measured Half White - Y		0 - 1000	-	
62	Measured Half White - Luma		0 - 32767	-	
70	Measured Full White - X		0 - 1000	-	
71	Measured Full White - Y		0 - 1000	-	
72	Measured Full White - Luma		0 - 32767	-	
100	Measured Data Update	Apply the adjusted data when the data set to 10.	0 - 10	-	
160	VIDI				
0	Brightness (Wheel)-Dynamic	Brightness Wheel (Brightness)	0 - 10	4	
1	Brightness (Wheel)-Not Dynamic	Brightness Wheel (Color)	0 - 10	2	
2	Color (Wheel)-Dynamic	Brightness Wheel (Brightness)	0 - 10	5	
3	Color (Wheel)-Not Dynamic	Brightness Wheel (Color)	0 - 10	3	
161	Lamp Sync				
0	Brightness (Wheel)-x2 Mode		0 - 65535	178	
1	Brightness (Wheel)-x3 Mode		0 - 65535	128	
2	Color (Wheel)-x2 Mode		0 - 65535	429	
3	Color (Wheel)-x3 Mode		0 - 65535	352	
200	Option				
0	Logo Display Prohibition	0:Menu 1:Forced	0 - 1	0	
1	RS232C Baud rate	0: 19200bps 1: 9600bps	0 - 1	0	
3	Shipping Set	Shipping set when the value is set to 10	0 - 10	0	
4	CABLE SW	Long Cable 0: Disable 1: Enable	0 - 1	0	
5	PW Debug Command Enable	0: Disable (Serial Command Enable) 1: Enable (PW Debug Mode)	0 - 1	0	
6	Device Refresh Disable	0: Enable 1: Disable	0 - 1	0	
11	HDCP EDID Data Setting	0: DVI EDID Data, 1: HDCP EDID Data	0 - 1	1	
15	Lens Shift Centering Setting	Execute Seting when the Value is changed to 10.	0 - 10	0	
20					
21	Lamp Warning Time (NORMAL)		1-16	4	
22	Lamp Warning Time (ECO)		1-16	5	
23	Lamp Warning Time (HIGH)		1-16	4	
50	Lamp Replacement Display	1:On 0:Off	0 - 1	1	
51	Filter Warning Display	1:On 0:Off	0 - 1	1	
53	Filter Counter Reset Times	Read only	0 - 255	0	
54	Factory Default Executed Times	Read only	0 - 255	0	
56	Menu Position (X)	X Offset	0 - 1024	0	
57	Menu Position (Y)	Y Offset	0 - 1024	0	
58	Lamp Go Out	Lamp goes out	0 - 1	0	
59	LENS LOCK Warning Display	0: Enable 1: Disable	0 - 1	0	
62	Color Wheel Warning	0: Enable 1: Disable	0 - 1	0	
70	ADC Device Select for Analog PC	0 = ISL51002, 1 = PW392 AFE	0 - 1	0	
71	ADC Device Select for Component	0 = ISL51002, 1 = PW392 AFE	0 - 1	0	
80	Destination	Language Set at Shipping 0:English 1:Japanese	0 - 1	0	
100	Disable Auto Picture Control	0 : Normal operation 1 : Auto Picture Control Off	0-1	Initial: 1 Shipping 0	

Grp / No.	Item	Function	Range	Initial	Note
201	Option (Signal) Not Used				
0	FrameLock Option	Frame Lock Setting 1: Normal(PC) 0: OFF	0 - 1	1	
1	Dither Enable	0: Disable 1: Enable	0 - 1	1	
2	VSBEG		0 - 15	2	
3	Field Sense Invert Enable	0: Disable 1: Enable	0 - 1	0	
204	Simulation mode				
0	PW392C Enable	0: Off, 1: On	0 - 1	0	
1	PW610 Enable	0: Off, 1: On	0 - 1	0	
205	Spread Spectrum				
0	Enable		0 - 1	0	
1	Spread Rate		0 - 300	100	
2	Spread Frequency		0 - 500	150	
210	Lamp Contorl				
0	Dimmer SW	0:Auto 1:Manual	0 - 1	0	
1	Manual Control	Lamp Power Manual Control (DIMMER_CTRL_LEVEL 0(Dark)~15(Bright))	0 - 15	0	
2	DIMMER_CTRL_LEVEL1	Y Level1 Data for Dimmer	0 - 255	7	
3	DIMMER_CTRL_LEVEL2	Y Level2 Data for Dimmer	0 - 255	14	
4	DIMMER_CTRL_LEVEL3	Y Level3 Data for Dimmer	0 - 255	21	
5	DIMMER_CTRL_LEVEL4	Y Level4 Data for Dimmer	0 - 255	28	
6	DIMMER_CTRL_LEVEL5	Y Level5 Data for Dimmer	0 - 255	35	
7	DIMMER_CTRL_LEVEL6	Y Level6 Data for Dimmer	0 - 255	42	
8	DIMMER_CTRL_LEVEL7	Y Level7 Data for Dimmer	0 - 255	49	
9	DIMMER_CTRL_LEVEL8	Y Level8 Data for Dimmer	0 - 255	56	
10	DIMMER_CTRL_LEVEL9	Y Level9 Data for Dimmer	0 - 255	63	
11	DIMMER_CTRL_LEVEL10	Y Level10 Data for Dimmer	0 - 255	70	
12	DIMMER_CTRL_LEVEL11	Y Level11 Data for Dimmer	0 - 255	77	
13	DIMMER_CTRL_LEVEL12	Y Level12 Data for Dimmer	0 - 255	84	
14	DIMMER_CTRL_LEVEL13	Y Level13 Data for Dimmer	0 - 255	91	
15	DIMMER_CTRL_LEVEL14	Y Level14 Data for Dimmer	0 - 255	98	
16	DIMMER_CTRL_LEVEL15	Y Level15 Data for Dimmer	0 - 255	105	
17	DIMMER_AVERAGE_POINT	Y Average Point	1 - 16	4	
18	DIMMER_AVERAGE_DATA	Y Average Data (Read only)	-	-	
19	DIMMER_LEVEL_AUTO	Current Y Level (Read only)	-	-	
20	DIMMER_LEVEL_NORMAL	Dim Level at Normal	0 - 15	15	
21	DIMMER_LEVEL_ECO	Dim Level at Eco	0 - 15	0	
23	VOLTAGE_LEVEL	Lamp Voltage (Read only)	-	-	
24	DIMMER_LEVEL_HIGH	Dim Level at High	0 - 15	15	
220	Projector Error Log				
0	Warning_Log_1	Latest Error log	0 - 32767	0	
:	:	:	:	:	
49	Warning_Log_50	50th Error log	0 - 32767	0	
50	Warning_Log Reset	Log is cleared when the value is set to 10.	0 ~ 10	0	
235	Shutter				
0	PRE_MOTION	Shutter Warm - up Operation (0: Yes, 1: No)	0 - 1	Initial: 1 / Shipping: 0	
1	CMP_TRM	Chattering Detecting Term	0 - 32767	7000	
2	OUT_DLY_TRM	Output Term	0 - 32767	15000	
3	CMP_CHK_CNT	Count of Information Sync	0 - 15	5	
4	OPEN_DLY	Open Output Delay	0 - 63	30	
5	CLOSE_DLY	Close Output Delay	0 - 63	30	
6	Position Check Time	Position Check Time	1 - 255	20	
7	Stop Mode	Shutter Operation in Stop Mode 0:Free, 1:Brake	0 - 1	1	
8	Enable Close Cmd	Shutter Close Command 0:Disable, 1:Enable	0 - 1	1	
236	Lamp Mode Switch				
0	2 Lamp Mode		0 - 99	0	
1	Lamp1 Mode		0 - 99	0	
2	Lamp2 Mode		0 - 99	0	
240	Flow Calibration				
0	Flow Calibration Exe	Flow Sensor Offset Calibration Start calibration when the value is set to 1.	0 - 1	0	

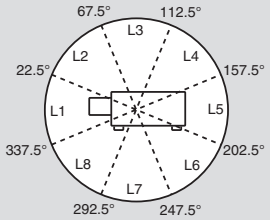
Grp / No.	Item	Function	Range	Initial	Note
1	Flow Calibration Error Log	Log of Calibration Error (Read only) 255: Not Calibration 0: No Error 10: 1st Calibration Not Stable Airflow 11: 1st Calibration Out of Range 20: 2nd Not Stable Airflow 21: 2nd Out of Range 100: 10th Calibration Not Stable Airflow 101: 10th Calibration Out of Range	-	255	
2	Clog Check Enable	Filter Clogged Detection by Flow Sensor (0: Disable, 1: Enable)	0 - 1	Initial: 0 / Shipping: 1	
241	Flow Ideal Data	(Value will be set after calibration)			
0	Flow Ideal Data 1	Flow Sensor Theory Value No.1 Corresponding to Fan Volt No.1	0 - 1023	377	
1	Flow Ideal Data 2	Flow Sensor Theory Value No.2 Corresponding to Fan Volt No.2	0 - 1023	486	
2	Flow Ideal Data 3	Flow Sensor Theory Value No.3 Corresponding to Fan Volt No.3	0 - 1023	513	
3	Flow Ideal Data 4	Flow Sensor Theory Value No.4 Corresponding to Fan Volt No.4	0 - 1023	538	
4	Flow Ideal Data 5	Flow Sensor Theory Value No.5 Corresponding to Fan Volt No.5	0 - 1023	563	
5	Flow Ideal Data 6	Flow Sensor Theory Value No.6 Corresponding to Fan Volt No.6	0 - 1023	1023	
6	Flow Ideal Data 7	Flow Sensor Theory Value No.7 Corresponding to Fan Volt No.7	0 - 1023	1023	
7	Flow Ideal Data 8	Flow Sensor Theory Value No.8 Corresponding to Fan Volt No.8	0 - 1023	1023	
242	Flow Calib. Fan Volt	(Not Memorized)			
0	Flow Calib Fan Volt 1	Flow Sensor Calibration Fan Volt No.1 [V x10]	0 - 255	65	
1	Flow Calib Fan Volt 2	Flow Sensor Calibration Fan Volt No.2 [V x10]	0 - 255	95	
2	Flow Calib Fan Volt 3	Flow Sensor Calibration Fan Volt No.3 [V x10]	0 - 255	110	
3	Flow Calib Fan Volt 4	Flow Sensor Calibration Fan Volt No.4 [V x10]	0 - 255	125	
4	Flow Calib Fan Volt 5	Flow Sensor Calibration Fan Volt No.5 [V x10]	0 - 255	138	
5	Flow Calib Fan Volt 6	Flow Sensor Calibration Fan Volt No.6 [V x10]	0 - 255	255	
6	Flow Calib Fan Volt 7	Flow Sensor Calibration Fan Volt No.7 [V x10]	0 - 255	255	
7	Flow Calib Fan Volt 8	Flow Sensor Calibration Fan Volt No.8 [V x10]	0 - 255	255	
243	Flow Calib Effective Difference	(Not Memorized)			
0	Flow Calib Effective Diff 1	Flow Sensor Calibration Range Diff No.1 [ADC]	0 - 1023	250	
1	Flow Calib Effective Diff 2	Flow Sensor Calibration Range Diff No.2 [ADC]	0 - 1023	250	
2	Flow Calib Effective Diff 3	Flow Sensor Calibration Range Diff No.3 [ADC]	0 - 1023	250	
3	Flow Calib Effective Diff 4	Flow Sensor Calibration Range Diff No.4 [ADC]	0 - 1023	250	
4	Flow Calib Effective Diff 5	Flow Sensor Calibration Range Diff No.5 [ADC]	0 - 1023	250	
5	Flow Calib Effective Diff 6	Flow Sensor Calibration Range Diff No.6 [ADC]	0 - 1023	1023	
6	Flow Calib Effective Diff 7	Flow Sensor Calibration Range Diff No.7 [ADC]	0 - 1023	1023	
7	Flow Calib Effective Diff 8	Flow Sensor Calibration Range Diff No.8 [ADC]	0 - 1023	1023	
244	Flow Clog Threshold	(Not Memorized)			
0	Flow Clog Threshold 1	Flow Sensor Clogged Threshold No.1[ADC]	0 - 1023	48	
1	Flow Clog Threshold 2	Flow Sensor Clogged Threshold No.2[ADC]	0 - 1023	47	
2	Flow Clog Threshold 3	Flow Sensor Clogged Threshold No.3[ADC]	0 - 1023	48	
3	Flow Clog Threshold 4	Flow Sensor Clogged Threshold No.4[ADC]	0 - 1023	52	
4	Flow Clog Threshold 5	Flow Sensor Clogged Threshold No.5[ADC]	0 - 1023	58	
5	Flow Clog Threshold 6	Flow Sensor Clogged Threshold No.6[ADC]	0 - 1023	1023	
6	Flow Clog Threshold 7	Flow Sensor Clogged Threshold No.7[ADC]	0 - 1023	1023	
7	Flow Clog Threshold 8	Flow Sensor Clogged Threshold No.8[ADC]	0 - 1023	1023	
245	Filter Roll				
0	Take Up Bend	Remove Filter Flexure Starts when the Value is set to 1.	0 - 1	0	
1	Take Up Times	Remaining Times of Filter Scroll (Read only)	-	-	
2	Take Up Time Reset	Filter Scroll Times Reset Resets Remaining Scroll Times when the Value is set to 10.	0 - 10	0	
3	Scroll Counter Reset Time	Scroll Counter Reset Times (Read only)	0 - 255	-	
4	Scroll Information Cartridge No		0 - 2	0	
246	Flow Clog Monitor	(Read only)			
0	Real Flow Data	Real Flow Data [ADC] (Read only)	0 - 1023	-	
1	Ideal Flow Data	Theory Flow Data (Read only)	0 - 1023	-	
2	Flow Difference Data	Flow Difference Data [ADC] (Read only)	-1023 - 1023	-	
3	Clog Detect Flow Difference Data	Difference Data to judge the Filter Clogged [ADC] (Read only)	0 - 1023	-	
4	Warn Detect Flow Difference Data	Difference Data to judge the Filter Clogged Warning [ADC] (Read only)	0 - 1023	-	
5	Press Add Data	Add Data by Air Pressure (Read only)	0 - 1023	-	
6	Filter Scroll Timer	Timer for Filter Scroll [hour] (Read only)	0 - 32767	-	
247	Filter Scroll Time	(Read only)			
0	Filter 1st Cartridge Scroll Time 1	1st Filter Cartridge Used time at N times Scrolling [hour] (N:1-10)	0 - 32767	9999	
1	Filter 1st Cartridge Scroll Time 2		0 - 32767	9999	

Electrical Adjustment

Grp / No.	Item	Function	Range	Initial	Note
2	Filter 1st Cartridge Scroll Time 3		0 - 32767	9999	
3	Filter 1st Cartridge Scroll Time 4		0 - 32767	9999	
4	Filter 1st Cartridge Scroll Time 5		0 - 32767	9999	
5	Filter 1st Cartridge Scroll Time 6		0 - 32767	9999	
6	Filter 1st Cartridge Scroll Time 7		0 - 32767	9999	
7	Filter 1st Cartridge Scroll Time 8		0 - 32767	9999	
8	Filter 1st Cartridge Scroll Time 9		0 - 32767	9999	
9	Filter 1st Cartridge Scroll Time 10		0 - 32767	9999	
10	Filter 2nd Cartridge Scroll Time 1		0 - 32767	9999	
11	Filter 2nd Cartridge Scroll Time 2		0 - 32767	9999	
12	Filter 2nd Cartridge Scroll Time 3		0 - 32767	9999	
13	Filter 2nd Cartridge Scroll Time 4		0 - 32767	9999	
14	Filter 2nd Cartridge Scroll Time 5	2nd Filter Cartridge Used time at N times Scrolling [hour] (N:1-10)	0 - 32767	9999	
15	Filter 2nd Cartridge Scroll Time 6		0 - 32767	9999	
16	Filter 2nd Cartridge Scroll Time 7		0 - 32767	9999	
17	Filter 2nd Cartridge Scroll Time 8		0 - 32767	9999	
18	Filter 2nd Cartridge Scroll Time 9		0 - 32767	9999	
19	Filter 2nd Cartridge Scroll Time 10		0 - 32767	9999	
20	Filter 3rd Cartridge Scroll Time 1		0 - 32767	9999	
21	Filter 3rd Cartridge Scroll Time 2		0 - 32767	9999	
22	Filter 3rd Cartridge Scroll Time 3		0 - 32767	9999	
23	Filter 3rd Cartridge Scroll Time 4		0 - 32767	9999	
24	Filter 3rd Cartridge Scroll Time 5	3rd Filter Cartridge Used time at N times Scrolling [hour] (N:1-10)	0 - 32767	9999	
25	Filter 3rd Cartridge Scroll Time 6		0 - 32767	9999	
26	Filter 3rd Cartridge Scroll Time 7		0 - 32767	9999	
27	Filter 3rd Cartridge Scroll Time 8		0 - 32767	9999	
28	Filter 3rd Cartridge Scroll Time 9		0 - 32767	9999	
29	Filter 3rd Cartridge Scroll Time 10		0 - 32767	9999	
248	Filter Scroll Factor	(Read only)			
0	Filter 1st Cartridge Scroll Factor 1		0 - 255	255	
1	Filter 1st Cartridge Scroll Factor 2		0 - 255	255	
2	Filter 1st Cartridge Scroll Factor 3		0 - 255	255	
3	Filter 1st Cartridge Scroll Factor 4	1st Filter Cartridge Scrolling Factor at N times Scrolling (N:1-10)	0 - 255	255	
4	Filter 1st Cartridge Scroll Factor 5	0: Manual Scrolling with OSD Menu	0 - 255	255	
5	Filter 1st Cartridge Scroll Factor 6	1: Auto Scrolling detecting by Filter Clogged	0 - 255	255	
6	Filter 1st Cartridge Scroll Factor 7	2: Auto Scrolling detecting by specified maximum used time per a sheet	0 - 255	255	
7	Filter 1st Cartridge Scroll Factor 8		0 - 255	255	
8	Filter 1st Cartridge Scroll Factor 9		0 - 255	255	
9	Filter 1st Cartridge Scroll Factor 10		0 - 255	255	
10	Filter 2nd Cartridge Scroll Factor 1		0 - 255	255	
11	Filter 2nd Cartridge Scroll Factor 2		0 - 255	255	
12	Filter 2nd Cartridge Scroll Factor 3		0 - 255	255	
13	Filter 2nd Cartridge Scroll Factor 4	2nd Filter Cartridge Scrolling Factor at N times Scrolling (N:1-10)	0 - 255	255	
14	Filter 2nd Cartridge Scroll Factor 5	0: Manual Scrolling with OSD Menu	0 - 255	255	
15	Filter 2nd Cartridge Scroll Factor 6	1: Auto Scrolling detecting by Filter Clogged	0 - 255	255	
16	Filter 2nd Cartridge Scroll Factor 7	2: Auto Scrolling detecting by specified maximum used time per a sheet	0 - 255	255	
17	Filter 2nd Cartridge Scroll Factor 8		0 - 255	255	
18	Filter 2nd Cartridge Scroll Factor 9		0 - 255	255	
19	Filter 2nd Cartridge Scroll Factor 10		0 - 255	255	
20	Filter 3rd Cartridge Scroll Factor 1		0 - 255	255	
21	Filter 3rd Cartridge Scroll Factor 2		0 - 255	255	
22	Filter 3rd Cartridge Scroll Factor 3		0 - 255	255	
23	Filter 3rd Cartridge Scroll Factor 4	3rd Filter Cartridge Scrolling Factor at N times Scrolling (N:1-10)	0 - 255	255	
24	Filter 3rd Cartridge Scroll Factor 5	0: Manual Scrolling with OSD Menu	0 - 255	255	
25	Filter 3rd Cartridge Scroll Factor 6	1: Auto Scrolling detecting by Filter Clogged	0 - 255	255	
26	Filter 3rd Cartridge Scroll Factor 7	2: Auto Scrolling detecting by specified maximum used time per a sheet	0 - 255	255	
27	Filter 3rd Cartridge Scroll Factor 8		0 - 255	255	
28	Filter 3rd Cartridge Scroll Factor 9		0 - 255	255	
29	Filter 3rd Cartridge Scroll Factor 10		0 - 255	255	
250	Fan Voltage Adjustment				
0	Fan A Min Adjust (DAC)		0-255	65	
1	Fan A Max Adjust (DAC)		0-255	220	
2	Fan B/C Min Adjust (DAC)		0-255	55	
3	Fan B/C Max Adjust (DAC)	DAC Output for Fan Voltage adj.	0-255	215	
4	Fan D/E Min Adjust (DAC)	Adjust Tolerance between DAC and Fan Volt.	0-255	85	
5	Fan D/E Max Adjust (DAC)	*Lamp Mode: Eco	0-255	220	
6	Fan F/G Min Adjust (DAC)		0-255	95	
7	Fan F/G Max Adjust (DAC)		0-255	220	

Electrical Adjustment

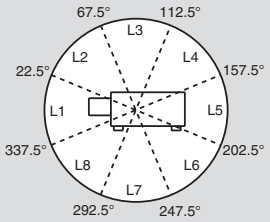
Grp / No.	Item	Function	Range	Initial	Note
8	Fan H Min Adjust (DAC)		0-255	65	
9	Fan H Max Adjust (DAC)		0-255	220	
252	Fan Option				
1	Safety Switch	Safety Application use	0-8	0	
2	Fan Manual Switch	Fan Manual SW (0: Auto 1: Manual)	0-1	0	
3	Fan A Manual Voltage	Manual Adjustment Mode (0.1V) *Effective only when Manual SW is 1.	0-255	100	
4	Fan B/C Manual Voltage		0-255	100	
5	Fan D/E Manual Voltage		0-255	100	
6	Fan F/G Manual Voltage		0-255	100	
7	Fan H Manual Voltage		0-255	100	
10	Angle Data A	Angle Data A (Read only)	-	-	
11	Angle Data B	Angle Data B (Read only)	-	-	
12	Press Data	Press Data (Read only)	-	-	



Definition of Slant

L1	337.5° ~ 22.5°
L2	22.5° ~ 67.5°
L3	67.5° ~ 112.5°
L4	112.5° ~ 157.5°
L5	157.5° ~ 202.5°
L6	202.5° ~ 247.5°
L7	247.5° ~ 292.5°
L8	292.5° ~ 337.5°

253	Fan Temp Error Setting	(Memorized)		L1	L2	L3	L4	L5	L6	L7	L8
5	Temp A Warning (Normal)	Temp A (Room) to judge the Temp Error at Normal	30-100	45	45	45	45	45	45	45	45
6	Temp B Warning (Normal)	Temp B (Optical) to judge the Temp Error at Normal	30-100	75	75	75	75	75	75	75	75
7	Temp C Warning (Normal)	Temp C (DMD) to judge the Temp Error at Normal	30-100	70	70	70	70	70	70	70	70
8	Temp B-A Warning (Normal)	Temp B - A (Filter Clogged) to judge the Temp Error at Normal	0-100	45	45	45	45	45	45	45	45
9	Temp C-A Warning (Normal)	Temp C - A (Filter Clogged) to judge the Temp Error at Normal	0-100	40	40	40	40	40	40	40	40
10	Temp A Warning (Eco)	Temp A (Room) to judge the Temp Error at Eco	30-100	45	45	45	45	45	45	45	45
11	Temp B Warning (Eco)	Temp B (Optical) to judge the Temp Error at Eco	30-100	75	75	75	75	75	75	75	75
12	Temp C Warning (Eco)	Temp C (DMD) to judge the Temp Error at Eco	30-100	70	70	70	70	70	70	70	70
13	Temp B-A Warning (Eco)	Temp B - A (Filter Clogged) to judge the Temp Error at Eco	0-100	45	45	45	45	45	45	45	45
14	Temp C-A Warning (Eco)	Temp C - A (Filter Clogged) to judge the Temp Error at Eco	0-100	40	40	40	40	40	40	40	40
15	Temp A Warning Offset (Temp)	Temp Warning Offset (Temp)	0-100				13				
16	Temp B Warning Offset (Temp)		0-100				13				
17	Temp C Warning Offset (Temp)		0-100				13				
18	Temp B-A Warning Offset (Temp)		0-100				13				
19	Temp C-A Warning Offset (Temp)		0-100				13				
20	Temp A Warning Offset (Time)	Time Warning Offset (Time)	0-40				3				
21	Temp B Warning Offset (Time)		0-40				3				
22	Temp C Warning Offset (Time)		0-40				3				
23	Temp B-A Warning Offset (Time)		0-40				3				
24	Temp C-A Warning Offset (Time)		0-40				3				



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L6	202.5° ~ 247.5°
L7	247.5° ~ 292.5°
L8	292.5° ~ 337.5°

254	Fan Control Range Setting	(Temp/Spinning)		L1	L2	L3	L4	L5	L6	L7	L8
16	Normal Fan Control Min Temp	Temp Sensor Control Start/End Temp at Normal	20-100	27	27	27	27	27	27	27	27
17	Normal Fan Control Max Temp		20-100	37	37	37	37	37	37	37	37
18	Normal Fan A Min	Fan Voltage Set at Normal (Min/Max) (V)	0000-9990	63	63	63	63	63	63	63	63
19	Normal Fan A Max		0000-9990	100	100	100	100	100	100	100	100
20	Normal Fan B/C Min		0000-9990	50	70	90	90	90	90	90	70
21	Normal Fan B/C Max		0000-9990	50	70	90	90	90	90	90	70
22	Normal Fan D/E Min		0000-9990	72	72	72	72	72	72	72	72
23	Normal Fan D/E Max		0000-9990	138	138	138	138	138	138	138	138
24	Normal Fan F/G Min		0000-9990	88	88	88	88	88	88	88	88
25	Normal FanF/G Max		0000-9990	138	138	138	138	138	138	138	138
26	Normal Fan H Min		0000-9990	75	75	75	75	75	75	75	75
27	Normal FanH Max		0000-9990	138	138	138	138	138	138	138	138
32	Eco1 Fan Control Min Temp	Temp Sensor Control Start/End Temp at Eco1	20-100	27	27	27	27	27	27	27	27
33	Eco1 Fan Control Max Temp		20-100	37	37	37	37	37	37	37	37

Grp / No.	Item	Function	Range	Initial	Note
34	Eco1 Fan A Min	Fan Voltage Set at Eco1 (Min/Max) (V)	0000-9990	50 50 50 50 50 50 50 50	
35	Eco1 Fan A Max		0000-9990	90 90 90 90 90 90 90 90	
36	Eco1 Fan B/C Min		0000-9990	40 60 70 70 70 70 70 60	
37	Eco1 Fan B/C Max		0000-9990	40 60 70 70 70 70 70 60	
38	Eco1 Fan D/E Min		0000-9990	58 58 58 58 58 58 58 58	
39	Eco1 Fan D/E Max		0000-9990	125 125 125 125 125 125 125 125	
40	Eco1 Fan F/G Min		0000-9990	78 78 78 78 78 78 78 78	
41	Eco1 Fan F/G Max		0000-9990	125 125 125 125 125 125 125 125	
42	Eco1 Fan H Min		0000-9990	65 65 65 65 65 65 65 65	
43	Eco1 Fan H Max		0000-9990	120 120 120 120 120 120 120 120	
48	Eco2 Fan Control Min Temp	Temp Sensor Control Start/End Temp at Eco2	20-100	27 27 27 27 27 27 27 27	
49	Eco2 Fan Control Max Temp		20-100	37 37 37 37 37 37 37 37	
50	Eco2 Fan A Min	Fan Voltage Set at Eco2 (Min/Max) (V)	0000-9990	60 60 60 60 60 60 60 60	
51	Eco2 Fan A Max		0000-9990	90 90 90 90 90 90 90 90	
52	Eco2 Fan B/C Min		0000-9990	40 60 70 70 70 70 70 60	
53	Eco2 Fan B/C Max		0000-9990	40 60 70 70 70 70 70 60	
54	Eco2 Fan D/E Min		0000-9990	70 70 70 70 70 70 70 70	
55	Eco2 Fan D/E Max		0000-9990	130 130 130 130 130 130 130 130	
56	Eco2 Fan F/G Min		0000-9990	85 85 85 85 85 85 85 85	
57	Eco2 Fan F/G Max		0000-9990	130 130 130 130 130 130 130 130	
58	Eco2 Fan H Min		0000-9990	75 75 75 75 75 75 75 75	
59	Eco2 Fan H Max		0000-9990	130 130 130 130 130 130 130 130	
255	Fan Start/Cooling Setting				
0	Fan A Initial Volt	Fan Start Voltage (0.1V)	0-255	70	
1	Fan B/C Initial Volt		0-255	70	
2	Fan D/E Initial Volt		0-255	70	
3	FanF/G Initial Volt		0-255	70	
4	FanH Initial Volt		0-255	70	
8	Cooling Time	Cooling Time Setting (x30 sec.) 1: 30 3: 90 15: 450	1-15	3	
10	Temp Error Cooling Time	Cooling Time Setting When the Temp Error occurs (x30 sec.) 1: 30 3: 90 15: 450	1-15	5	
11	OnStart Cooling Start Threshold		0-100	50	
12	After shutdown cooling	Cooling Operation after Shut Down (0: No, 1: Yes)	0-1	1	
256					
0					
1					
2					
259	Fan Air Pressure Setting				
0	Press Source Range Low	Pressure Sensor Control Range Setting (AD)	0-1024	632	
1	Press Source Range High		0-1024	810	
2	Press Fan Add Range High	Pressure Sensor Fan Control Add. Voltage (x0.1)	0 - 2000	0	
3	Press Fan Add Range Low		0 - 2000	65	
4	Temp C-A Upward High	Fan Voltage Add Upward (Sensor A-C) High	0 - 1000	23	
5	Temp C-A Upward Low	Fan Voltage Add Upward (Sensor A-C) Low	0 - 1000	21	
6	Temp C-A Downward High	Fan Voltage Add Downward (Sensor A-C) High	0 - 1000	20	
7	Temp C-A Downward Low	Fan Voltage Add Downward (Sensor A-C) Low	0 - 1000	19	
260	Auto Calibration (Common)				
0	Execute Calibration	Execute Calibration when the Value is changed to 1. (For PC White 100%)	0 - 1	0	
1	Loop Count	Max Times of Calibration	1 - 30	8	
2	Auto Status	Calibration Log (Read only) 0: Calibration End Correctly 1: On Adjusting 9: Calibration Error	0 / 1 / 9	0	
3	AutoWait	Waiting time	1 - 20	3	
4	CHECK - Tolerance	Tolerance of Offset	1 - 255	4	
5	Time out wait	Wait Time until Time out [sec.]	1 - 255	20	
100	Route Switch	0: Menu 1: Input1 - RGB Analog (OnBoard - Ext.ADC) 2: Input3 - RGB Analog (Slot - Ext.ADC) 3: Input1 - RGB Analog (OnBoard - Int.ADC) 4: Input2 - YCbCr (OnBoard - Ext.ADC) 5: Input2 - YCbCr (OnBoard - Int.ADC) 6: Input2 - Video (OnBoard - Int.VDD)	0 - 6	-	
261	Auto Calibration (RGB)	PW392-AFE MDL <10bits>			
0	OFFSET AREA H START	Black Level Acq. Area H Start	0 - 1000	975	
1	OFFSET AREA V START	Black Level Acq. Area V Start	0 - 1000	500	
2	GAIN AREA H START	White Level Acq. Area H Start	0 - 1000	25	

Grp / No.	Item	Function	Range	Initial	Note
3	GAIN AREA V START	White Level Acq. Area V Start	0 - 1000	500	
4	Image AREA H WIDTH	Black/White Level Area Width	0 - 4095	13	
5	Image AREA V HEIGHT	Black/White Level Area Height	0 - 4095	9	
6	OFFSET Target	Black Level Adj target	0 - 1023	20	
7	OFFSET Tolerance	Black Level Adj telerance	1 - 1023	1	
8	GAIN Target	White Level Adj target	0 - 1023	940	
9	GAIN Tolerance	White Level Adj telerance	1 - 1023	1	
10	Image Level Tolerance	Acq. Image Level Adj Tolerance	1 - 255	4	
262	Auto Calibration (CVBS/SVIDEO)	PW392-AFE MDL <10bits>			
0	Y Image Area Start X	Y Image Area H Start	0 - 1000	10	
1	Y Image Area Start Y	Y Image Area V Start	0 - 1000	200	
6	Image Area H WIDTH	Image Level Acq. Width	0 - 4095	8	
7	Image Area V HEIGHT	Image Level Acq. Height	0 - 4095	9	
8	Y Target Level	Y Level Adj target	0 - 1023	808	
11	Gain Tolerance	Level Adj Tolerance	1 - 255	1	
12	Image Level Tolerance	Acq. Image Level Adj Tolerance	1 - 255	4	
264	Auto Calibration (YCbCr)	PW392-AFE MDL <10bits>			
0	Y-OFFSET AREA H START	Y - Offset Acq Area H Start	0 - 1000	925	
1	Y-OFFSET AREA V START	Y - Offset Acq Area V Start	0 - 1000	500	
2	CB - OFFSET AREA H START	CB - Offset Acq. Area H Start	0 - 1000	925	
3	CB - OFFSET AREA V START	CB - Offset Acq. Area V Start	0 - 1000	500	
4	CR - OFFSET AREA H START	CR - Offset Acq. Area H Start	0 - 1000	925	
5	CR - OFFSET AREA V START	CR - Offset Acq. Area V Start	0 - 1000	500	
6	Y - GAIN AREA H START	Y	0 - 1000	50	
7	Y - GAIN AREA V START		0 - 1000	500	
8	CB - GAIN AREA H START		0 - 1000	800	
9	CB - GAIN AREA V START		0 - 1000	500	
10	CR - GAIN AREA H START		0 - 1000	700	
11	CR - GAIN AREA V START		0 - 1000	500	
12	Image AREA H WIDTH	YCBCR Level Acq. Width	0 - 4095	13	
13	Image AREA V HEIGHT	YCBCR Level Acq. Height	0 - 4095	9	
14	Y - OFFSET TARGET		0 - 1023	4	
15	CB OFFSET TARGET		0 - 1023	512	
16	CR OFFSET TARGET		0 - 1023	512	
17	Y - GAIN TARGET		0 - 1023	808	
18	CB - GAIN TARGET		0 - 1023	892	
19	CR - GAIN TARGET		0 - 1023	892	
20	OFFSET Tolerance	OFFSET Adj Tolerance	1 - 255	1	
21	GAIN Tolerance	GAIN Adj Tolerance	1 - 255	1	
22	Image Level Tolerance	Acq. Image Level Adj Tolerance	1 - 255	4	
280	Auto PC Adjust				
0	AutoPCAdjustEnable	Auto PC Operation with the un-supported signal in. 0: Enable 1: Disable	0 - 1	0	
1	Frequency Step	TotalDot Search Step	0-3	1	
2	Frequency Threshold	TotalDot Match	0 - 10	5	
3	Fine Phase	Phase after Total Dot Adj. 0: Fine Phase Execute 1: Fine Phase Not Execute	0 - 1	1	
4	BLKDET	Black Level Detect Area	0 - 7	1	
5	PHASEMSK	Phase Detect Filter 0: All Bits Enable, 1: Lower 1 bit Disable, 2: Lower 2 bit Disable, 3: Lower 3 bits Disable	0 - 3	0	
500	SCART(480i)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	674	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	458	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	140	
23	(Sub) V Back Porch		0 - 4095	42	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	0	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
501	SCART (575i)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	670	
2	H Back Porch		0 - 4095	152	
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	534	
5	Clamp Position		0 - 4095	90	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	156	
23	(Sub) V Back Porch		0 - 4095	62	
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	0	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
510	RGB Video (480i)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	146	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	91	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
511	RGB Video (575i)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	154	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	

Grp / No.	Item	Function	Range	Initial	Note
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	160	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	99	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
512	RGB Video (480P)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	118	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	126	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	86	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
513	RGB Video (575P)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	134	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	140	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
514	RGB Video (720P-60)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	288	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	298	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
515	RGB Video (720P-50)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	286	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	296	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
516	RGB Video (1080i-60)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	

Grp / No.	Item	Function	Range	Initial	Note
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
517	RGB Video (1080i-50)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
518	RGB Video (1035i)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
519	RGB Video (1080P-60)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	

Grp / No.	Item	Function	Range	Initial	Note
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
520	RGB Video (1080P-50)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
521	RGB Video (1080P-30)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
522	RGB Video (1080P-25)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2640	

Grp / No.	Item	Function	Range	Initial	Note
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
523	RGB Video (1080P-24)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
524	RGB Video (1080-30psf)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	

Grp / No.	Item	Function	Range	Initial	Note
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
525	RGB Video (1080-25psf)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
526	RGB Video (1080-24psf)	[ON-Board (DVI-Dsub-HDMI)]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	171	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
530	Composite / Svideo (NTSC)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	0	
1	Disp Dots		0 - 4095	670	
2	H Back Porch		0 - 4095	26	
3	V Back Porch		0 - 4095	18	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	

Grp / No.	Item	Function	Range	Initial	Note
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	26	
23	(Sub) V Back Porch		0 - 4095	18	
25	(Sub) Clamp Position		0 - 4095	1	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
531	Composite / Svideo (PAL)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	0	
1	Disp Dots		0 - 4095	658	
2	H Back Porch		0 - 4095	32	
3	V Back Porch		0 - 4095	22	
4	Disp Line		0 - 4095	538	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	34	
23	(Sub) V Back Porch		0 - 4095	22	
25	(Sub) Clamp Position		0 - 4095	1	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
540	YCbCr (480i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	676	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	142	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	5	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
541	YCbCr (575i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	668	
2	H Back Porch		0 - 4095	152	

Grp / No.	Item	Function	Range	Initial	Note
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	540	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	158	
23	(Sub) V Back Porch		0 - 4095	60	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	5	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
542	YCbCr (480P)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	684	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	46	
4	Disp Line		0 - 4095	460	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	138	
23	(Sub) V Back Porch		0 - 4095	46	
25	(Sub) Clamp Position		0 - 4095	89	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
543	YCbCr (575P)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	696	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	56	
4	Disp Line		0 - 4095	550	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	146	
23	(Sub) V Back Porch		0 - 4095	56	
25	(Sub) Clamp Position		0 - 4095	101	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	

Grp / No.	Item	Function	Range	Initial	Note
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
544	YCbCr (720P-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	300	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	312	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	187	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
545	YCbCr (720P-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	298	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	312	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	183	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
546	YCbCr (1080i-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	3	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
22	(Sub) H Back Porch		0 - 4095	256	
23	(Sub) V Back Porch		0 - 4095	52	
25	(Sub) Clamp Position		0 - 4095	168	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	5	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
547	YCbCr (1080i-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	3	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	256	
23	(Sub) V Back Porch		0 - 4095	52	
25	(Sub) Clamp Position		0 - 4095	168	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	5	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
548	YCbCr (1035i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	90	
4	Disp Line		0 - 4095	1012	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	3	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	256	
23	(Sub) V Back Porch		0 - 4095	88	
25	(Sub) Clamp Position		0 - 4095	168	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	5	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
549	YCbCr (1080P-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	236	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	

Grp / No.	Item	Function	Range	Initial	Note
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	87	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
550	YCbCr (1080P-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	236	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	87	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
551	YCbCr (1080P-30)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position	* Not used	0 - 4095	80	
6	Clamp Width	* Not used	0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	78	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	

Grp / No.	Item	Function	Range	Initial	Note
32	(Sub) PHASE		0 - 63	16	
552	YCbCr (1080P-25)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	78	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
553	YCbCr (1080P-24)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	77	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
560	RGB Video (480i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	146	
23	(Sub) V Back Porch		0 - 4095	40	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	90	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
561	RGB Video (575i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	154	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	160	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	99	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
562	RGB Video (480P)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	118	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	126	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	86	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
563	RGB Video (575P)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	134	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	

Grp / No.	Item	Function	Range	Initial	Note
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	140	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
564	RGB Video (720P-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	288	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	298	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
565	RGB Video (720P-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	286	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	296	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
566	RGB Video (1080i-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
567	RGB Video (1080i-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
568	RGB Video (1035i)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	169	

Grp / No.	Item	Function	Range	Initial	Note
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
569	RGB Video (1080P-60)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
570	RGB Video (1080P-50)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
571	RGB Video (1080P-30)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	

Grp / No.	Item	Function	Range	Initial	Note
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
572	RGB Video (1080P-25)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
573	RGB Video (1080P-24)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	116	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
574	RGB Video (1080-30psf)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2200	

Grp / No.	Item	Function	Range	Initial	Note
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
575	RGB Video (1080-25psf)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	172	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
576	RGB Video (1080-24psf)	[ON-Board (5BNC-Video)]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	224	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	234	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	171	
26	(Sub) Clamp Width		0 - 4095	20	

Grp / No.	Item	Function	Range	Initial	Note
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
580	Digital (480i)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
581	Digital (575i)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
582	Digital (480P)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
583	Digital (575P)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
584	Digital (720P-60)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
585	Digital (720P-50)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
586	Digital (1080i-60)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
587	Digital (1080i-50)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
588	Digital (1035i)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
589	Digital (1080P-60)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
590	Digital (1080P-50)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
591	Digital (1080P-30)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
592	Digital (1080P-25)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
593	Digital (1080P-24)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
594	Digital (1080-30psf)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
595	Digital (1080-25psf)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	

Grp / No.	Item	Function	Range	Initial	Note
596	Digital (1080-24psf)	[ON-Board /Slot Common]			
7	OverScan	Over Scan Rate (0 - 25.5% : 0.1% Step)	0 - 255	0	
8	VSBEG		0 - 15	2	
600	SCART (480i)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	674	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	140	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	0	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
601	SCART (575i)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	670	
2	H Back Porch		0 - 4095	146	
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	540	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	156	
23	(Sub) V Back Porch		0 - 4095	62	
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	0	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
610	RGB Video (480i)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	124	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
22	(Sub) H Back Porch		0 - 4095	130	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	86	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
611	RGB Video (575i)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	146	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	94	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
612	RGB Video (480P)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	114	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	89	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
613	RGB Video (575P)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	

Grp / No.	Item	Function	Range	Initial	Note
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	138	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	97	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
614	RGB Video (720P-60)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	278	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	292	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
615	RGB Video (720P-50)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	276	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	290	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	

Grp / No.	Item	Function	Range	Initial	Note
32	(Sub) PHASE		0 - 63	16	
616	RGB Video (1080i-60)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
617	RGB Video (1080i-50)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
618	RGB Video (1035i)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	78	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
619	RGB Video (1080P-60)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	196	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
620	RGB Video (1080P-50)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	196	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
621	RGB Video (1080P-30)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	

Grp / No.	Item	Function	Range	Initial	Note
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
622	RGB Video (1080P-25)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
623	RGB Video (1080P-24)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	84	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
624	RGB Video (1080-30psf)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
625	RGB Video (1080-25psf)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
626	RGB Video (1080-24psf)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	

Grp / No.	Item	Function	Range	Initial	Note
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
626	RGB Video (1080-24psf)	[DVI-Dsub Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
630	Composite /Svideo (NTSC)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	670	
2	H Back Porch		0 - 4095	128	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	134	
23	(Sub) V Back Porch		0 - 4095	48	
25	(Sub) Clamp Position		0 - 4095	45	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	6	
32	(Sub) PHASE		0 - 63	16	
631	Composite /Svideo (PAL)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	662	
2	H Back Porch		0 - 4095	144	
3	V Back Porch		0 - 4095	64	
4	Disp Line		0 - 4095	538	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	

Grp / No.	Item	Function	Range	Initial	Note
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	150	
23	(Sub) V Back Porch		0 - 4095	64	
25	(Sub) Clamp Position		0 - 4095	55	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	6	
32	(Sub) PHASE		0 - 63	16	
640	YCbCr (480i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	676	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	142	
23	(Sub) V Back Porch		0 - 4095	48	
25	(Sub) Clamp Position		0 - 4095	93	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	9	
32	(Sub) PHASE		0 - 63	16	
641	YCbCr (575i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	668	
2	H Back Porch		0 - 4095	152	
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	540	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	158	
23	(Sub) V Back Porch		0 - 4095	62	
25	(Sub) Clamp Position		0 - 4095	95	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	9	
32	(Sub) PHASE		0 - 63	16	
642	YCbCr (480P)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	858	

Grp / No.	Item	Function	Range	Initial	Note
1	Disp Dots		0 - 4095	684	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	46	
4	Disp Line		0 - 4095	460	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	136	
23	(Sub) V Back Porch		0 - 4095	46	
25	(Sub) Clamp Position		0 - 4095	94	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
643	YCbCr (575P)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	696	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	56	
4	Disp Line		0 - 4095	550	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	144	
23	(Sub) V Back Porch		0 - 4095	56	
25	(Sub) Clamp Position		0 - 4095	100	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
644	YCbCr (720P-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	300	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	306	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	185	
26	(Sub) Clamp Width		0 - 4095	20	

Grp / No.	Item	Function	Range	Initial	Note
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
645	YCbCr (720P-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	298	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	310	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	185	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
646	YCbCr (1080i-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	252	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
647	YCbCr (1080i-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	

Grp / No.	Item	Function	Range	Initial	Note
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	252	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
648	YCbCr (1035i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	90	
4	Disp Line		0 - 4095	1012	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	252	
23	(Sub) V Back Porch		0 - 4095	90	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
649	YCbCr (1080P-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	236	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	82	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
650	YCbCr (1080P-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	236	

Grp / No.	Item	Function	Range	Initial	Note
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	82	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
651	YCbCr (1080P-30)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	126	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	77	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
652	YCbCr (1080P-25)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	126	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	77	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	

Grp / No.	Item	Function	Range	Initial	Note
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
653	YCbCr (1080P-24)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	126	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	77	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
660	RGB Video (480i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	144	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	91	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	9	
32	(Sub) PHASE		0 - 63	16	
661	RGB Video (575i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	152	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
22	(Sub) H Back Porch		0 - 4095	160	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	99	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	9	
32	(Sub) PHASE		0 - 63	16	
662	RGB Video (480P)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	114	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	94	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
663	RGB Video (575P)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	138	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
664	RGB Video (720P-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	280	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	

Grp / No.	Item	Function	Range	Initial	Note
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	292	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
665	RGB Video (720P-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	278	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	290	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	188	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
666	RGB Video (1080i-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	

Grp / No.	Item	Function	Range	Initial	Note
32	(Sub) PHASE		0 - 63	16	
667	RGB Video (1080i-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
668	RGB Video (1035i)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
669	RGB Video (1080P-60)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	196	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
670	RGB Video (1080P-50)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	196	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
671	RGB Video (1080P-30)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
672	RGB Video (1080P-25)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	

Grp / No.	Item	Function	Range	Initial	Note
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
673	RGB Video (1080P-24)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
674	RGB Video (1080-30psf)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
675	RGB Video (1080-25psf)	[5BNC - Video Card]			

Grp / No.	Item	Function	Range	Initial	Note
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
676	RGB Video (1080-24psf)	[5BNC - Video Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	216	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	230	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
700	SCART (480i)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	674	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	152	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	20	

Grp / No.	Item	Function	Range	Initial	Note
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
701	SCART (575i)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	670	
2	H Back Porch		0 - 4095	146	
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	540	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	20	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	176	
23	(Sub) V Back Porch		0 - 4095	62	
25	(Sub) Clamp Position		0 - 4095	0	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
710	RGB Video (480i)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	122	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	88	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
711	RGB Video (575i)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	

Grp / No.	Item	Function	Range	Initial	Note
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	144	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	96	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
712	RGB Video (480P)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	114	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	89	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
713	RGB Video (575P)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	138	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
714	RGB Video (720P-60)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	

Grp / No.	Item	Function	Range	Initial	Note
2	H Back Porch		0 - 4095	278	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	292	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	185	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
715	RGB Video (720P-50)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	276	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	290	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	185	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
716	RGB Video (1080i-60)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	

Grp / No.	Item	Function	Range	Initial	Note
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
717	RGB Video (1080i-50)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
718	RGB Video (1035i)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
719	RGB Video (1080P-60)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	194	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
720	RGB Video (1080P-50)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	194	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	108	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	81	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
721	RGB Video (1080P-30)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
722	RGB Video (1080P-25)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	

Grp / No.	Item	Function	Range	Initial	Note
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
723	RGB Video (1080P-24)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	83	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
724	RGB Video (1080-30psf)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	

Grp / No.	Item	Function	Range	Initial	Note
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
725	RGB Video (1080-25psf)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
726	RGB Video (1080-24psf)	[DVI - HDCP Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	228	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
730	YCbCr (480i)	[5BNC Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	676	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	48	
4	Disp Line		0 - 4095	456	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	138	

Grp / No.	Item	Function	Range	Initial	Note
23	(Sub) V Back Porch		0 - 4095	48	
25	(Sub) Clamp Position		0 - 4095	84	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	5	
32	(Sub) PHASE		0 - 63	16	
731	YCbCr (575i)	[5BNC Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	668	
2	H Back Porch		0 - 4095	152	
3	V Back Porch		0 - 4095	62	
4	Disp Line		0 - 4095	540	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	156	
23	(Sub) V Back Porch		0 - 4095	62	
25	(Sub) Clamp Position		0 - 4095	95	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	5	
32	(Sub) PHASE		0 - 63	16	
732	YCbCr (480P)	[5BNC Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	684	
2	H Back Porch		0 - 4095	130	
3	V Back Porch		0 - 4095	46	
4	Disp Line		0 - 4095	460	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	136	
23	(Sub) V Back Porch		0 - 4095	46	
25	(Sub) Clamp Position		0 - 4095	90	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
733	YCbCr (575P)	[5BNC Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	696	
2	H Back Porch		0 - 4095	136	
3	V Back Porch		0 - 4095	56	
4	Disp Line		0 - 4095	550	
5	Clamp Position		0 - 4095	1	

Grp / No.	Item	Function	Range	Initial	Note
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	134	
23	(Sub) V Back Porch		0 - 4095	56	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
734	YCbCr (720P-60)	[5BNC Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	300	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	280	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
735	YCbCr (720P-50)	[5BNC Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1250	
2	H Back Porch		0 - 4095	302	
3	V Back Porch		0 - 4095	34	
4	Disp Line		0 - 4095	700	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	312	
23	(Sub) V Back Porch		0 - 4095	34	
25	(Sub) Clamp Position		0 - 4095	190	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
736	YCbCr (1080i-60)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	224	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	140	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
737	YCbCr (1080i-50)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	224	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	140	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
738	YCbCr (1035i)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	90	
4	Disp Line		0 - 4095	1012	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	6	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	224	
23	(Sub) V Back Porch		0 - 4095	90	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	140	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
739	YCbCr (1080P-60)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	240	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1050	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	154	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	52	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
740	YCbCr (1080P-50)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	240	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	154	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	52	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
741	YCbCr (1080P-30)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	

Grp / No.	Item	Function	Range	Initial	Note
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	62	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
742	YCbCr (1080P-25)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	62	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
743	YCbCr (1080P-24)	[5BNC Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1872	
2	H Back Porch		0 - 4095	244	
3	V Back Porch		0 - 4095	54	
4	Disp Line		0 - 4095	1052	
5	Clamp Position		0 - 4095	80	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	54	
25	(Sub) Clamp Position		0 - 4095	62	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
750	RGB Video (480i)	[5BNC Card]			

Grp / No.	Item	Function	Range	Initial	Note
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	134	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	140	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	89	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
751	RGB Video (575i)	[5BNC Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	148	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	9	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	154	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	99	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
752	RGB Video (480P)	[5BNC Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	104	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	114	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	84	
26	(Sub) Clamp Width		0 - 4095	20	

Grp / No.	Item	Function	Range	Initial	Note
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
753	RGB Video (575P)	[5BNC Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	120	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	90	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
754	RGB Video (720P-60)	[5BNC Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	250	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	264	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	168	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
755	RGB Video (720P-50)	[5BNC Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	248	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	

Grp / No.	Item	Function	Range	Initial	Note
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	262	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	168	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
756	RGB Video (1080i-60)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	139	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
757	RGB Video (1080i-50)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	139	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
758	RGB Video (1035i)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	

Grp / No.	Item	Function	Range	Initial	Note
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	138	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
759	RGB Video (1080P-60)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	142	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	10	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	82	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	55	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
760	RGB Video (1080P-60)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	142	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	10	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	82	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	55	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	

Grp / No.	Item	Function	Range	Initial	Note
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
761	RGB Video (1080P-30)	[5BNC Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	100	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	71	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
762	RGB Video (1080P-25)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	100	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	71	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
763	RGB Video (1080P-24)	[5BNC Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	

Grp / No.	Item	Function	Range	Initial	Note
22	(Sub) H Back Porch		0 - 4095	100	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	71	
26	(Sub) Clamp Width		0 - 4095	16	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
764	RGB Video (1080-30psf)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	142	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position	* Not used	0 - 4095	45	
6	Clamp Width	* Not used	0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	139	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
765	RGB Video (1080-25psf)	[5BNC Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	139	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
766	RGB Video (1080-24psf)	[5BNC Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	188	
3	V Back Porch		0 - 4095	40	

Grp / No.	Item	Function	Range	Initial	Note
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	45	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	202	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	139	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	4	
31	(Sub) FLDEND		0 - 15	11	
32	(Sub) PHASE		0 - 63	16	
770	RGB Video (480i)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	122	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	486	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	128	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	92	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
771	RGB Video (575i)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	138	
3	V Back Porch		0 - 4095	44	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	144	
23	(Sub) V Back Porch		0 - 4095	44	
25	(Sub) Clamp Position		0 - 4095	100	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	3	

Grp / No.	Item	Function	Range	Initial	Note
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
772	RGB Video (480P)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	858	
1	Disp Dots		0 - 4095	712	
2	H Back Porch		0 - 4095	114	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	484	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	122	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	85	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
773	RGB Video (575P)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	868	
1	Disp Dots		0 - 4095	706	
2	H Back Porch		0 - 4095	128	
3	V Back Porch		0 - 4095	50	
4	Disp Line		0 - 4095	576	
5	Clamp Position		0 - 4095	1	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	136	
23	(Sub) V Back Porch		0 - 4095	50	
25	(Sub) Clamp Position		0 - 4095	98	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
774	RGB Video (720P-60)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	1650	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	276	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	290	

Grp / No.	Item	Function	Range	Initial	Note
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	183	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
775	RGB Video (720P-50)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	1980	
1	Disp Dots		0 - 4095	1280	
2	H Back Porch		0 - 4095	274	
3	V Back Porch		0 - 4095	26	
4	Disp Line		0 - 4095	720	
5	Clamp Position		0 - 4095	110	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	288	
23	(Sub) V Back Porch		0 - 4095	26	
25	(Sub) Clamp Position		0 - 4095	184	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
776	RGB Video (1080i-60)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
777	RGB Video (1080i-50)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	

Grp / No.	Item	Function	Range	Initial	Note
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
778	RGB Video (1035i)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	78	
4	Disp Line		0 - 4095	1034	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	78	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
779	RGB Video (1080P-60)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	192	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	106	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	80	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	

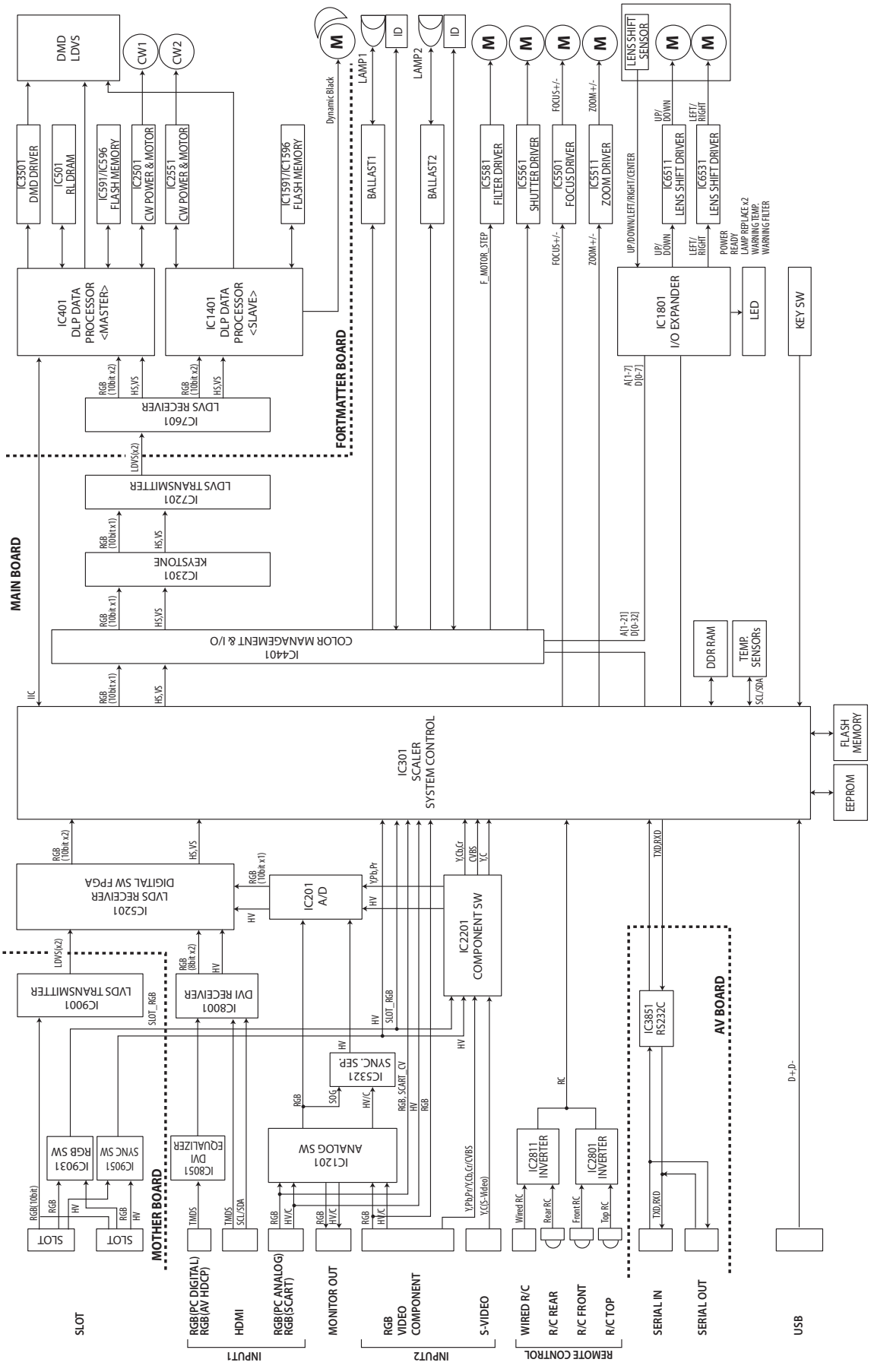
Grp / No.	Item	Function	Range	Initial	Note
780	RGB Video (1080P-50)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	192	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	60	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	106	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	80	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
781	RGB Video (1080P-30)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	80	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
782	RGB Video (1080P-25)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	

Grp / No.	Item	Function	Range	Initial	Note
25	(Sub) Clamp Position		0 - 4095	80	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
783	RGB Video (1080P-24)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	42	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	2	
9	Filed Enable		0 - 1	0	
10	FLDBEG		0 - 15	0	
11	FLDEND		0 - 15	0	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	112	
23	(Sub) V Back Porch		0 - 4095	42	
25	(Sub) Clamp Position		0 - 4095	80	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	2	
29	(Sub) Filed Enable		0 - 1	0	
30	(Sub) FLDBEG		0 - 15	0	
31	(Sub) FLDEND		0 - 15	0	
32	(Sub) PHASE		0 - 63	16	
784	RGB Video (1080-30psf)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2200	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
785	RGB Video (1080-25psf)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2640	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	

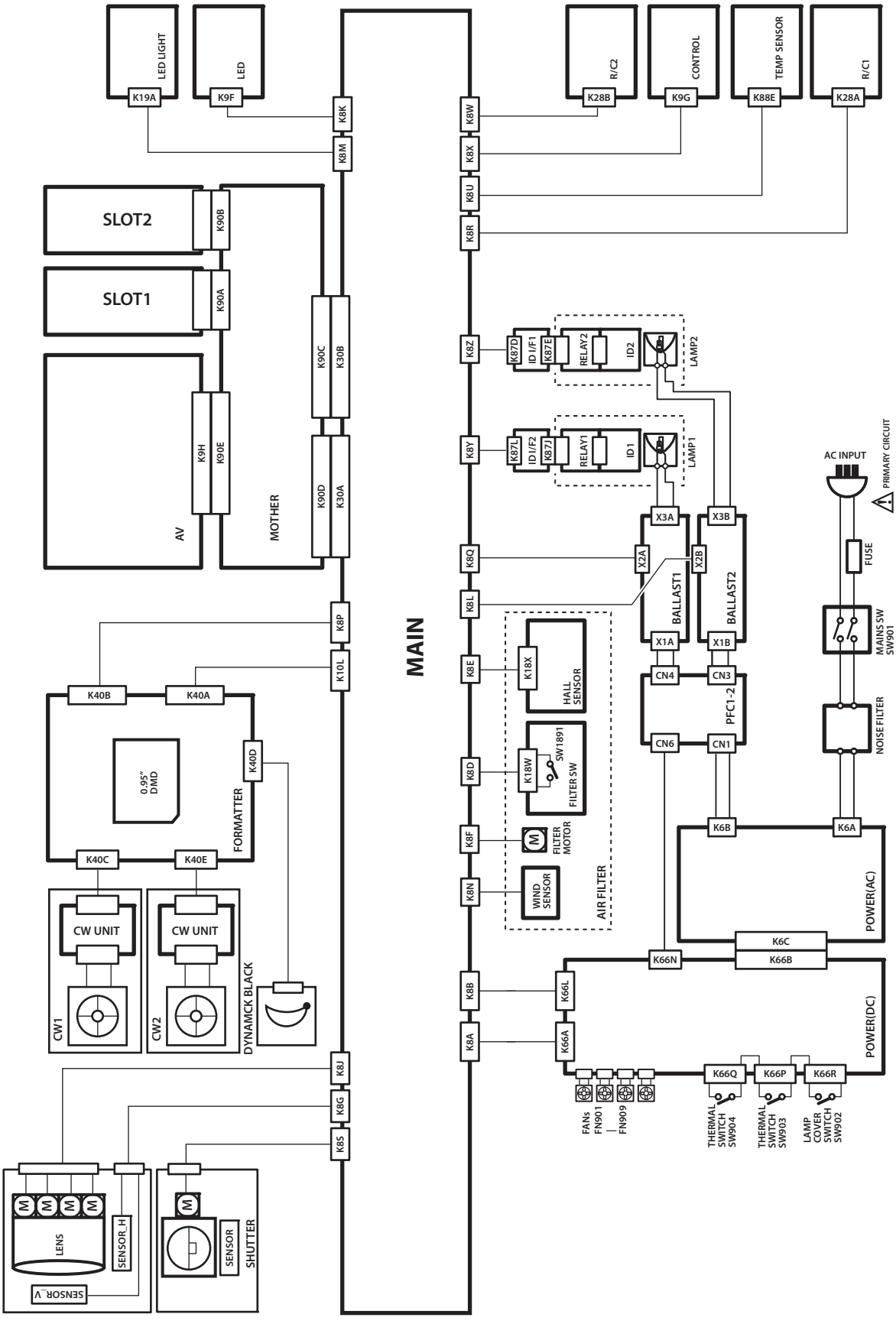
Grp / No.	Item	Function	Range	Initial	Note
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
786	RGB Video (1080-24psf)	[D-Sub15 Card]			
0	Total Dots		0 - 4095	2750	
1	Disp Dots		0 - 4095	1920	
2	H Back Porch		0 - 4095	214	
3	V Back Porch		0 - 4095	40	
4	Disp Line		0 - 4095	1080	
5	Clamp Position		0 - 4095	70	
6	Clamp Width		0 - 4095	31	
8	VSBEG		0 - 15	1	
9	Filed Enable		0 - 1	1	
10	FLDBEG		0 - 15	1	
11	FLDEND		0 - 15	10	
12	PHASE		0 - 63	16	
22	(Sub) H Back Porch		0 - 4095	226	
23	(Sub) V Back Porch		0 - 4095	40	
25	(Sub) Clamp Position		0 - 4095	164	
26	(Sub) Clamp Width		0 - 4095	20	
28	(Sub) VSBEG		0 - 15	1	
29	(Sub) Filed Enable		0 - 1	1	
30	(Sub) FLDBEG		0 - 15	1	
31	(Sub) FLDEND		0 - 15	10	
32	(Sub) PHASE		0 - 63	16	
2000	CXD3815 Option Board	*Effective only for Equipped Optional Board			
2	CVBS Y Level	CVBS/Y Input Gain Adj.	0 - 255	210	
3	CVBS C Level	C Input Gain Adj.	0 - 255	140	
4	Sub Hue	Tint Adj.	0 - 63	32	
5	HS Slice Level	H Sync Slice Level	0 - 15	4	
6	HS Slice Offset	Offset from H Sync Slice Level	0 - 15	5	
7	VS Slice Level	V Sync Slice Level	0 - 15	6	
8	VS Slice Offset	Offset from V Sync Slice Level	0 - 15	6	
9	Sampling Phase	A/D Clock Phase	0 - 63	0	
10	Pre Shoot Level	Sub-Sharpness	0 - 15	8	
11	Over Shoot Level	Sub-Sharpness	0 - 15	8	
12	Y Filter	Y Input Filter Band	0 - 7	5	
13	C Filter	C Input Filter Band	0 - 7	5	
14	NTSC/PAL Detect	NTSC/PAL Detect Threshold 0 : 64H/1V - PAL Det.strong 1 : 96H/1V 2 : 128H/1V 3 : 160H/1V - PAL Det.weak *System - Effective only in Auto	0 - 3	1	
2001	CXA2239 Option Board	*Effective only for Equipped Optional Board			
0	OUT 1 GR	C/CR/R_OUT1 Output Gain (COMPONENT)	0 - 15	7	
0	OUT 1 GG	CV/Y/G_OUT1 Output Gain (COMPONENT)	0 - 15	7	
0	OUT 1 GB	C/CB/B_OUT1 Output Gain (COMPONENT)	0 - 15	7	

Grp / No.	Item	Function	Range	Initial	Note
5000	Dual-SDI Read Register [Read Only]	*Effective only for Equipped Optional Board			
0	VD STD	Specified Monitor Signal 00 : 720p/60 10 : 1080p/60 1080psf/30 11 : 1080p/30 12 : 1080i/50 1080psf/25 13 : 1080p/25 16 : 1080p/24 17 : 1080psf/24 21 : 1035i/60 22 : 480i/60 24 : 575i/50 255 : No SIGNAL	-	-	
1	Version	Version Info.	-	-	
2	Revision	Revision Info.	-	-	
9000	HD-Wireless [Read Only]	*Effective only for Equipped Optional Board			
0	MAC HW Version		0 - 65535	-	
1	MAC SW Version [Device revision Byte1]		0 - 255	-	
2	MAC SW Version [Device revision Byte2]		0 - 255	-	
3	MAC SW Version [Device revision Byte3]		0 - 255	-	
4	Destination	DIP SW 0 : Not used, 1 : USA 2 : EU, 3 : Not used 4 : UK, 5~7 : Not used 8 : JPN, 9~15 : Not used	0 - 15	-	

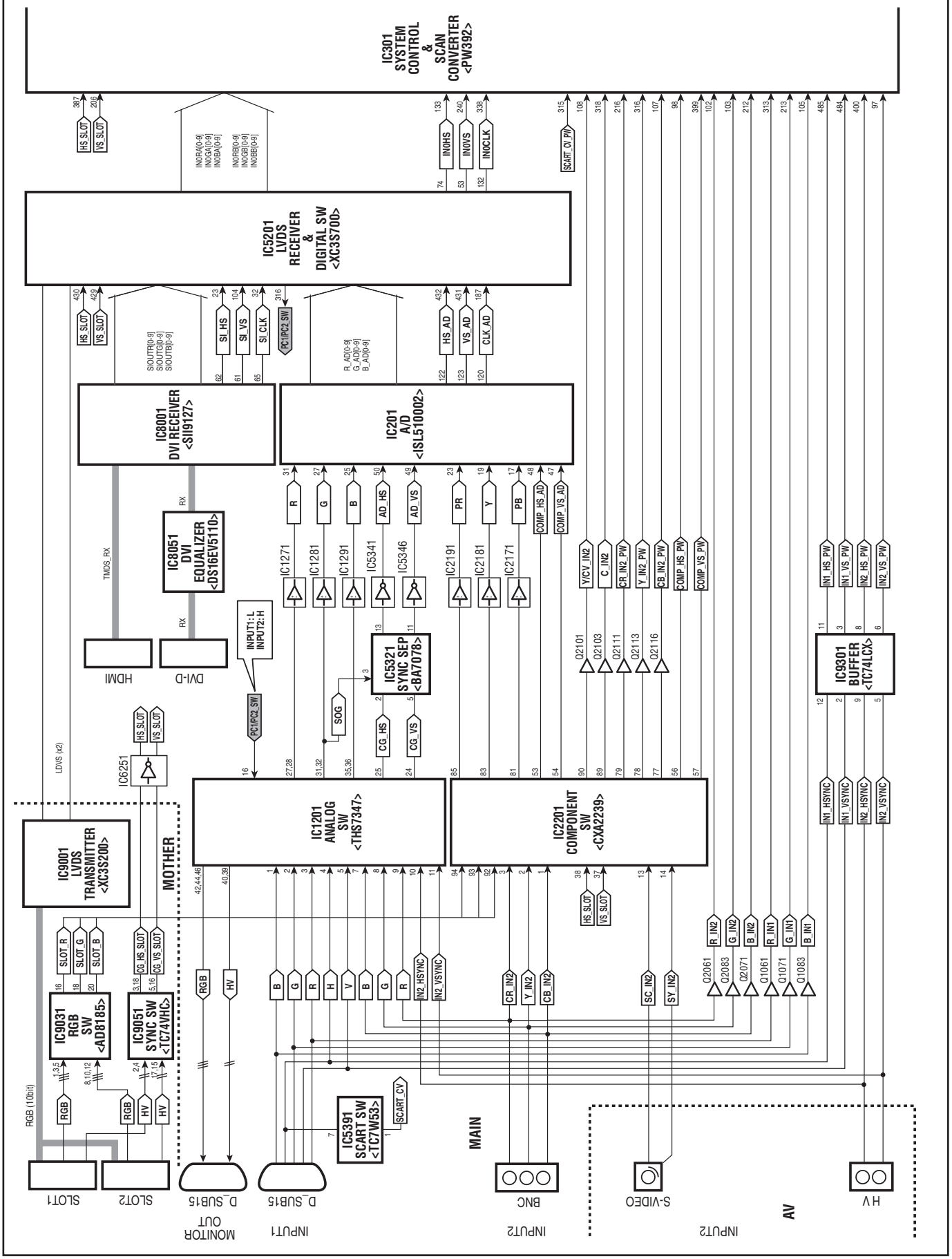
Chassis over view

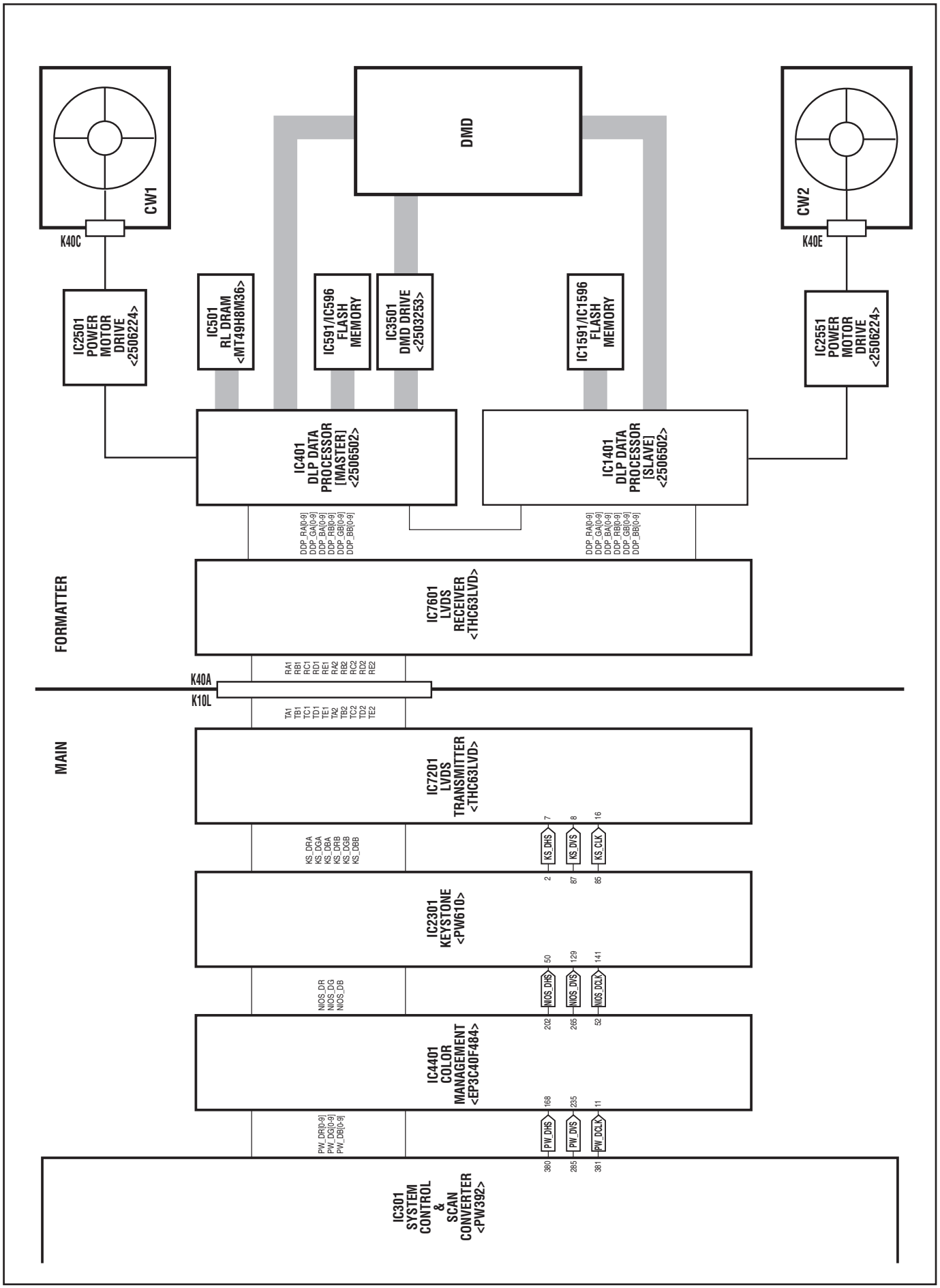


Boards Connection

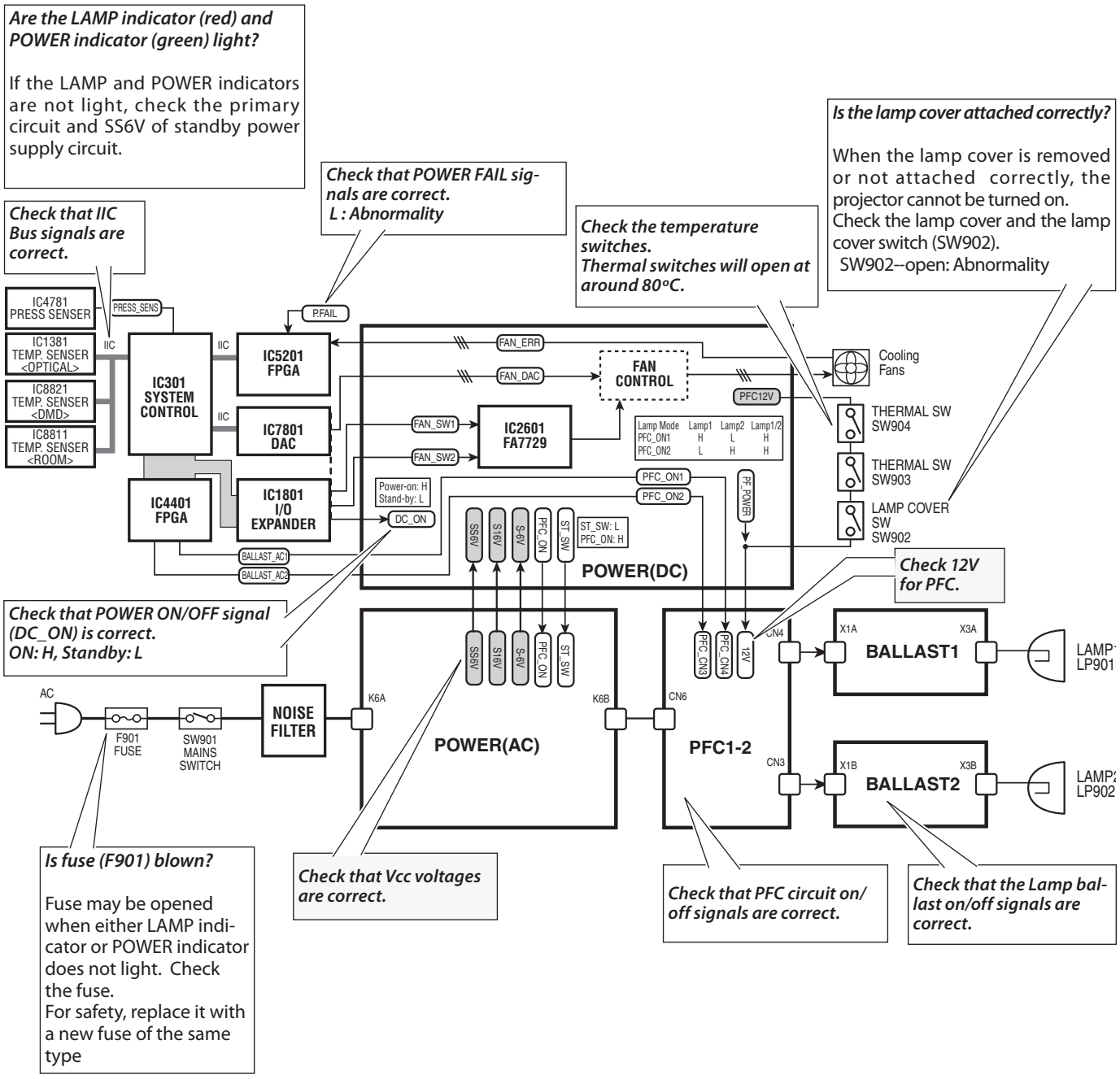


No Picture

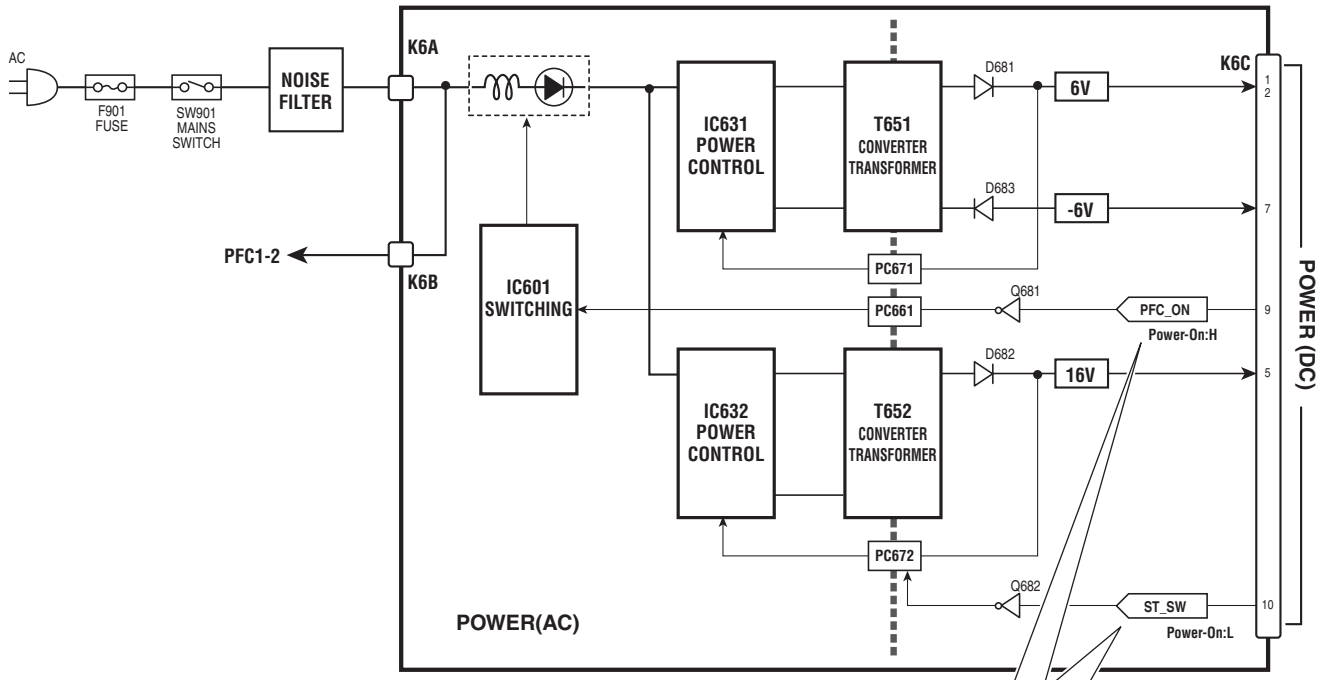

IC301
SYSTEM
CONTROL
&
SCAN
CONVERTER
<PW392>
IC5201
LVDS
RECEIVER
&
DIGITAL SW
<XC3S700>
IC8001
DVI RECEIVER
<SII9127>
IC201
A/D
<ISL5510002>
IC8051
DVI
EQUALIZER
<DS16EV5110>
IC5321
SYNC SEP
<BA7078>
IC1201
ANALOG
SW
<THS7347>
IC2201
COMPONENT
SW
<CXA2239>
IC9001
LVDS
TRANSMITTER
<XC3S200>
IC9031
RGB
SW
<AD8185>
IC9051
SYNC SW
<TC74VHC>
IC5391
SCART SW
<TC7W53>
IC9301
BUFFER
<TC74LCX>
IC6251
HDMI
DVI-D
MOTHER
MAIN
AV
SLOT1
SLOT2
D_SUB15
MONITOR OUT
INPUT1
INPUT2
BNC
S-VIDEO
H V


CW1
K40C
DMD
CW2
K40E
IC2501 POWER MOTOR DRIVE <2506224>
IC501 RL DRAM <MT49H8M36>
IC591/IC596 FLASH MEMORY
IC3501 DMD DRIVE <2503253>
IC1591/IC1596 FLASH MEMORY
IC2551 POWER MOTOR DRIVE <2506224>
IC401 DLP DATA PROCESSOR [MASTER] <2506502>
IC1401 DLP DATA PROCESSOR [SLAVE] <2506502>
DDP_RA[0-9]
DDP_GA[0-9]
DDP_BA[0-9]
DDP_RB[0-9]
DDP_GB[0-9]
DDP_BB[0-9]
FORMATTER
IC7601 LVDS RECEIVER <THC63LVD>
RA1 RB1 RC1 RD1 RE1 RA2 RB2 RC2 RD2 RE2
K40A
K10L
TA1 TB1 TC1 TD1 TE1 TA2 TB2 TC2 TD2 TE2
MAIN
IC7201 LVDS TRANSMITTER <THC63LVD>
KS_DRA KS_DGA KS_DBA KS_DRB KS_DGB KS_DBB
KS_DHS 7
KS_DVS 8
KS_CLK 16
2
87
85
IC2301 KEYSTONE <PW610>
NIOS_DR NIOS_DG NIOS_DB
NIOS_DHS 50
NIOS_DVS 129
NIOS_DCLK 141
202
265
52
IC4401 COLOR MANAGEMENT <EP3C40F484>
PW_DR[0-9] PW_DG[0-9] PW_DB[0-9]
PW_DHS 168
PW_DVS 235
PW_DCLK 11
380
285
381
IC301 SYSTEM CONTROL & SCAN CONVERTER <PW392>

No Power

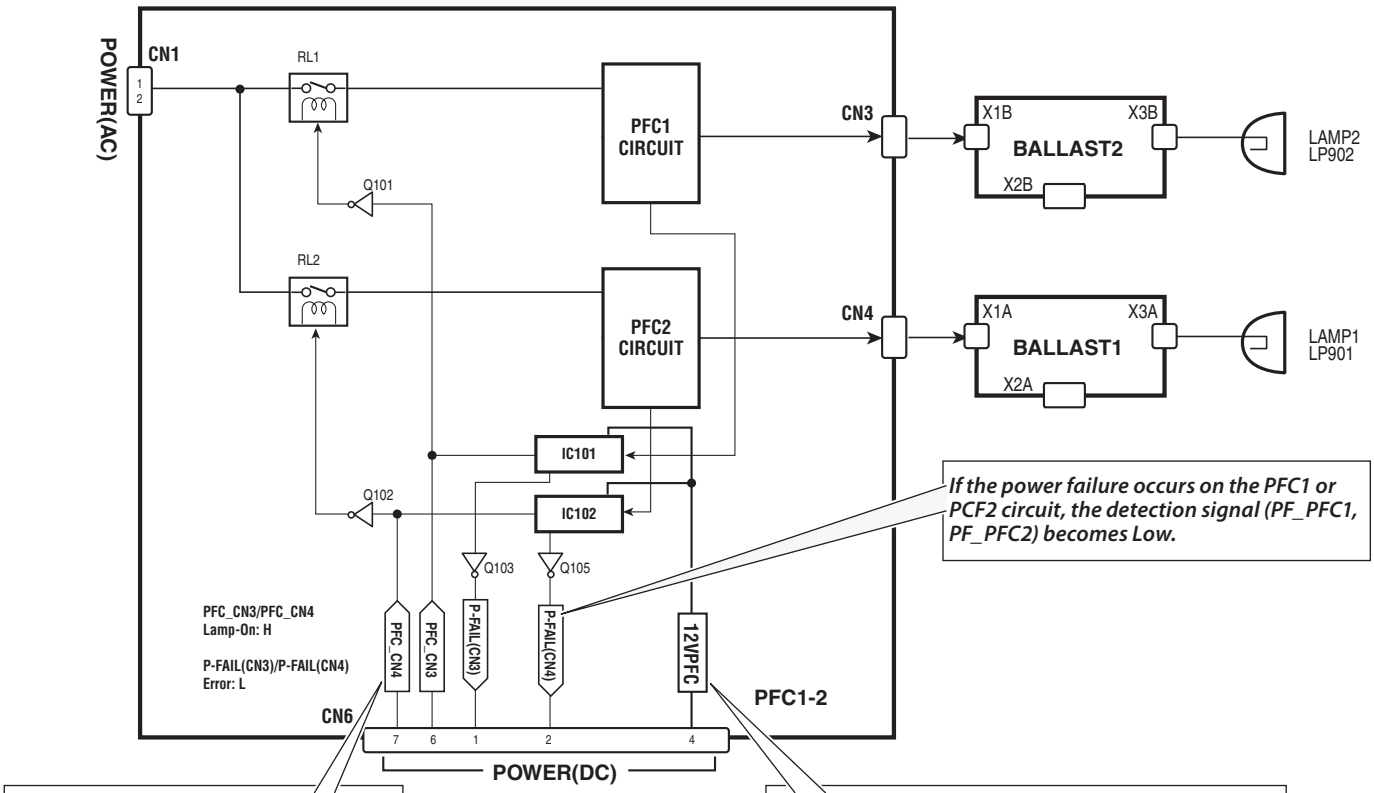

Are the LAMP indicator (red) and POWER indicator (green) light?
If the LAMP and POWER indicators are not light, check the primary circuit and SS6V of standby power supply circuit.
Check that IIC Bus signals are correct.
Check that POWER FAIL signals are correct.
L : Abnormality
Check the temperature switches.
Thermal switches will open at around 80°C.
Is the lamp cover attached correctly?
When the lamp cover is removed or not attached correctly, the projector cannot be turned on.
Check the lamp cover and the lamp cover switch (SW902).
SW902--open: Abnormality
IC4781 PRESS SENSER
IC1381 TEMP. SENSER <OPTICAL>
IC8821 TEMP. SENSER <DMD>
IC8811 TEMP. SENSER <ROOM>
PRESS_SENS
IIC
IC301 SYSTEM CONTROL
IC5201 FPGA
IC7801 DAC
IC4401 FPGA
IC1801 I/O EXPANDER
P.FAIL
FAN_ERR
FAN_DAC
FAN CONTROL
PFC12V
Cooling Fans
THERMAL SW SW904
THERMAL SW SW903
LAMP COVER SW SW902
FAN_SW1
FAN_SW2
IC2601 FA7729
Lamp Mode Lamp1 Lamp2 Lamp1/2
PFC_ON1 H L H
PFC_ON2 L H H
Power-on: H Stand-by: L
DC_ON
PFC_ON1
PFC_ON2
PF_POWER
ST_SW: L PFC_ON: H
SS6V S16V S-6V PFC_ON ST_SW
POWER(DC)
BALLAST_AC1
BALLAST_AC2
Check 12V for PFC.
Check that POWER ON/OFF signal (DC_ON) is correct.
ON: H, Standby: L
AC
F901 FUSE
SW901 MAINS SWITCH
NOISE FILTER
K6A
K6B
POWER(AC)
CN6
PFC_CN3 PFC_CN4 12V
CN4
PFC1-2
CN3
X1A X3A
BALLAST1
X1B X3B
BALLAST2
LAMP1 LP901
LAMP2 LP902
Is fuse (F901) blown?
Fuse may be opened when either LAMP indicator or POWER indicator does not light. Check the fuse.
For safety, replace it with a new fuse of the same type
Check that Vcc voltages are correct.
Check that PFC circuit on/off signals are correct.
Check that the Lamp ballast on/off signals are correct.

Power (AC)



Check that PFC_ON, ST_SW signals are correct.
Power-ON: PFC_ON: H, ST_SW:L
Standby: PFC_ON: L, ST_SW: L

Power (PFC)

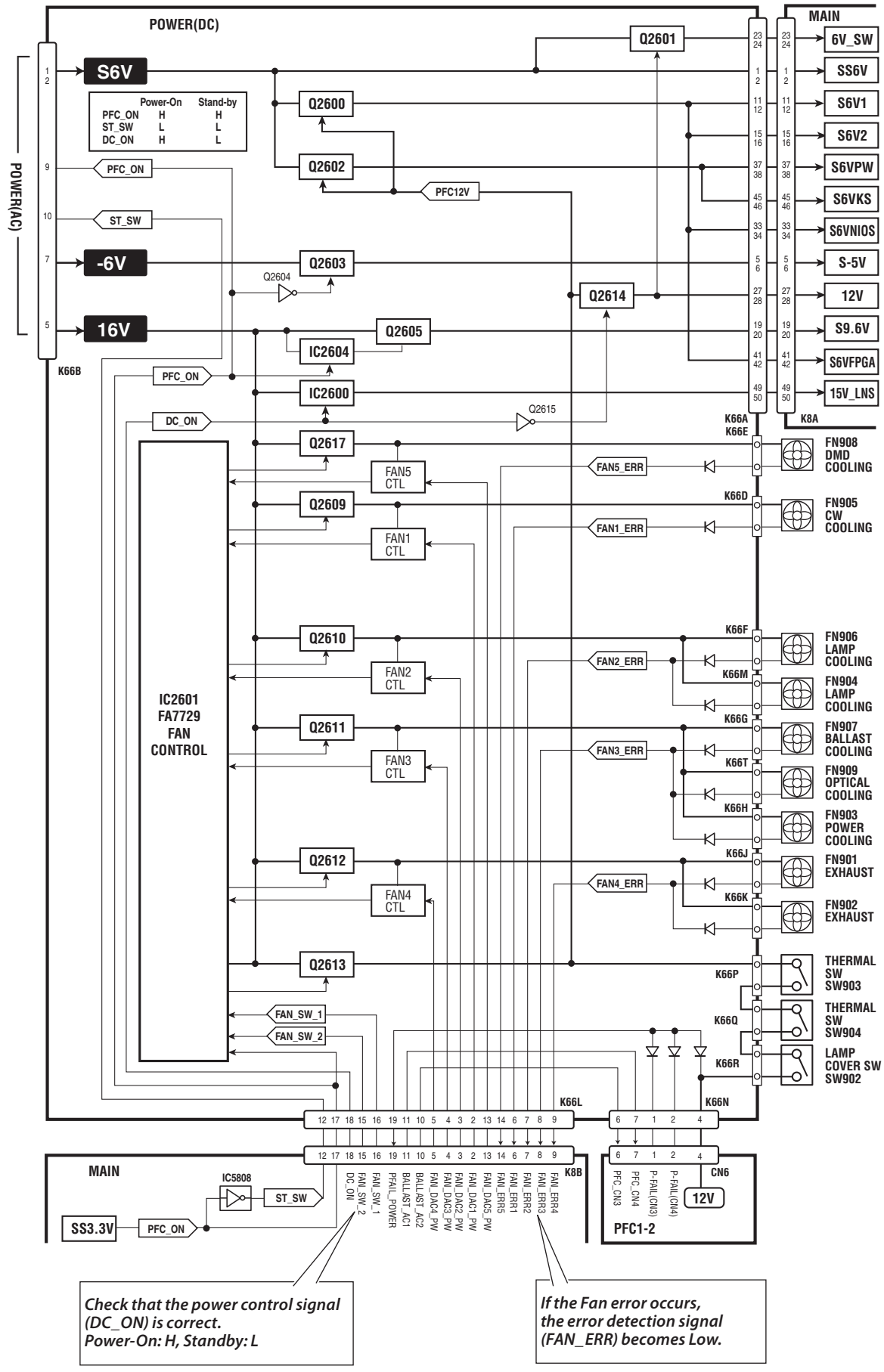


If the power failure occurs on the PFC1 or PCF2 circuit, the detection signal (PF_PFC1, PF_PFC2) becomes Low.

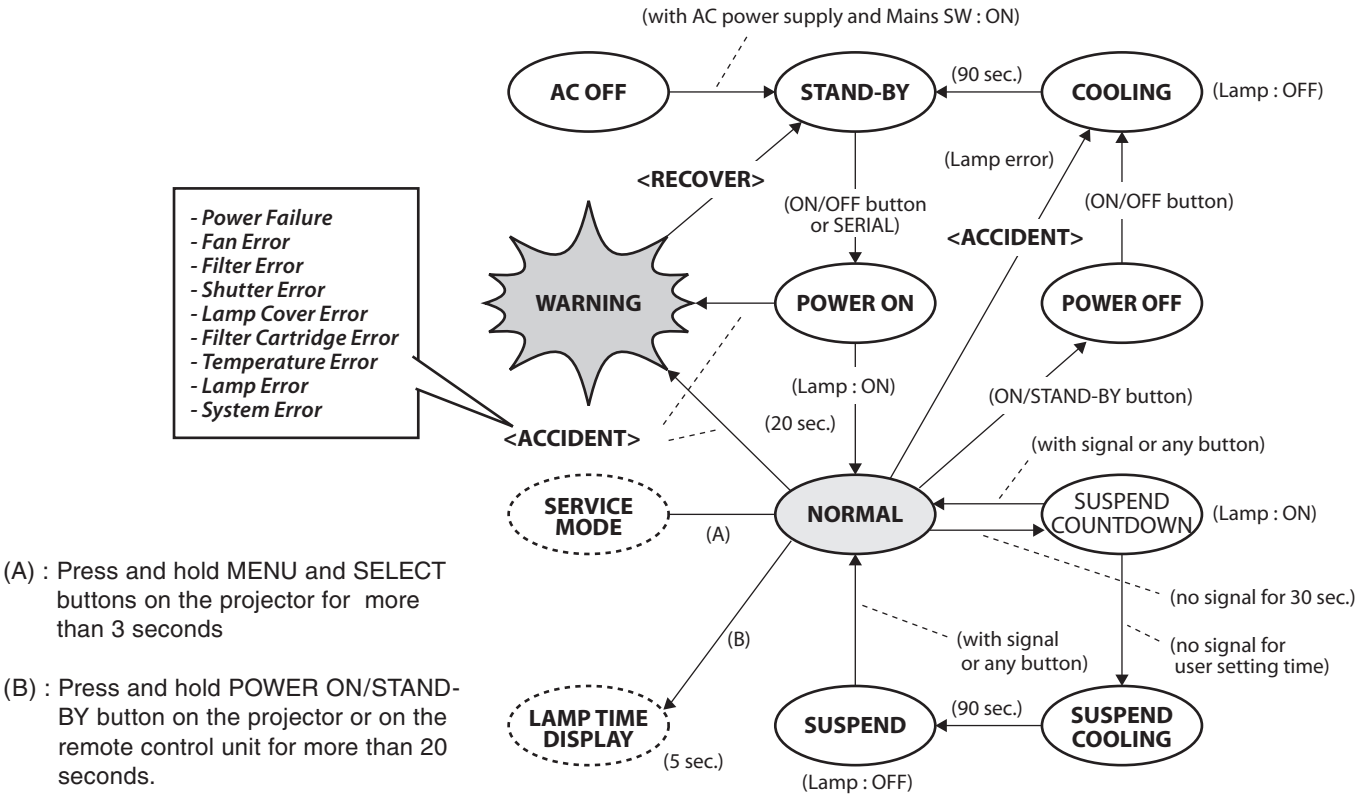
Check that the lamp drive signals (PFC_CN4, PFC_CN3) are correct.
Lamp-On: H

12VPFC voltage is supplyed from Power(DC) through the thermal switches (SW903, SW904) and Lamp cover switch (SW902).

Power (DC)


POWER(DC)
POWER(AC)
S6V
-6V
16V
PFC_ON
ST_SW
DC_ON
Power-On
Stand-by
PFC_ON H H
ST_SW L L
DC_ON H L
Q2600
Q2601
Q2602
Q2603
Q2604
Q2605
Q2609
Q2610
Q2611
Q2612
Q2613
Q2614
Q2615
Q2617
IC2604
IC2600
PFC12V
K66B
K66A
K66E
K66D
K66F
K66M
K66G
K66T
K66H
K66J
K66K
K66P
K66Q
K66R
K66L
K66N
K8A
MAIN
6V_SW
SS6V
S6V1
S6V2
S6VPW
S6VKS
S6VNIOS
S-5V
12V
S9.6V
S6VFPGA
15V_LNS
FAN5_ERR
FAN1_ERR
FAN2_ERR
FAN3_ERR
FAN4_ERR
FAN5 CTL
FAN1 CTL
FAN2 CTL
FAN3 CTL
FAN4 CTL
IC2601
FA7729
FAN
CONTROL
FAN_SW_1
FAN_SW_2
FN908 DMD COOLING
FN905 CW COOLING
FN906 LAMP COOLING
FN904 LAMP COOLING
FN907 BALLAST COOLING
FN909 OPTICAL COOLING
FN903 POWER COOLING
FN901 EXHAUST
FN902 EXHAUST
THERMAL SW SW903
THERMAL SW SW904
LAMP COVER SW SW902
K8B
CN6
PFC1-2
IC5808
SS3.3V
DC_ON
FAN_SW_2
FAN_SW_1
PFAIL_POWER
BALLAST_AC1
BALLAST_AC2
FAN_DAC4_PW
FAN_DAC3_PW
FAN_DAC2_PW
FAN_DAC1_PW
FAN_DAC5_PW
FAN_ERR5
FAN_ERR1
FAN_ERR2
FAN_ERR3
FAN_ERR4
PFC_CN3
PFC_CN4
P-FAIL(CN3)
P-FAIL(CN4)
Check that the power control signal (DC_ON) is correct.
Power-On: H, Standby: L
If the Fan error occurs, the error detection signal (FAN_ERR) becomes Low.

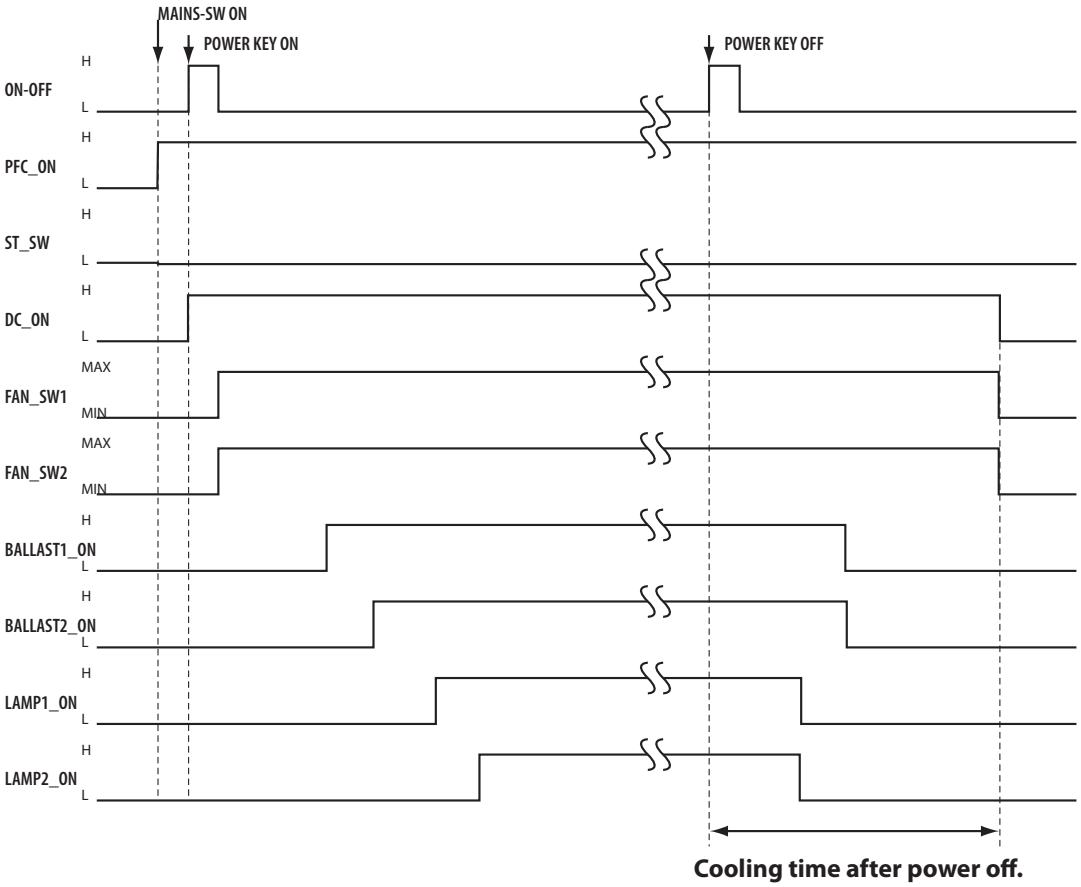
● Flow chart of projector condition



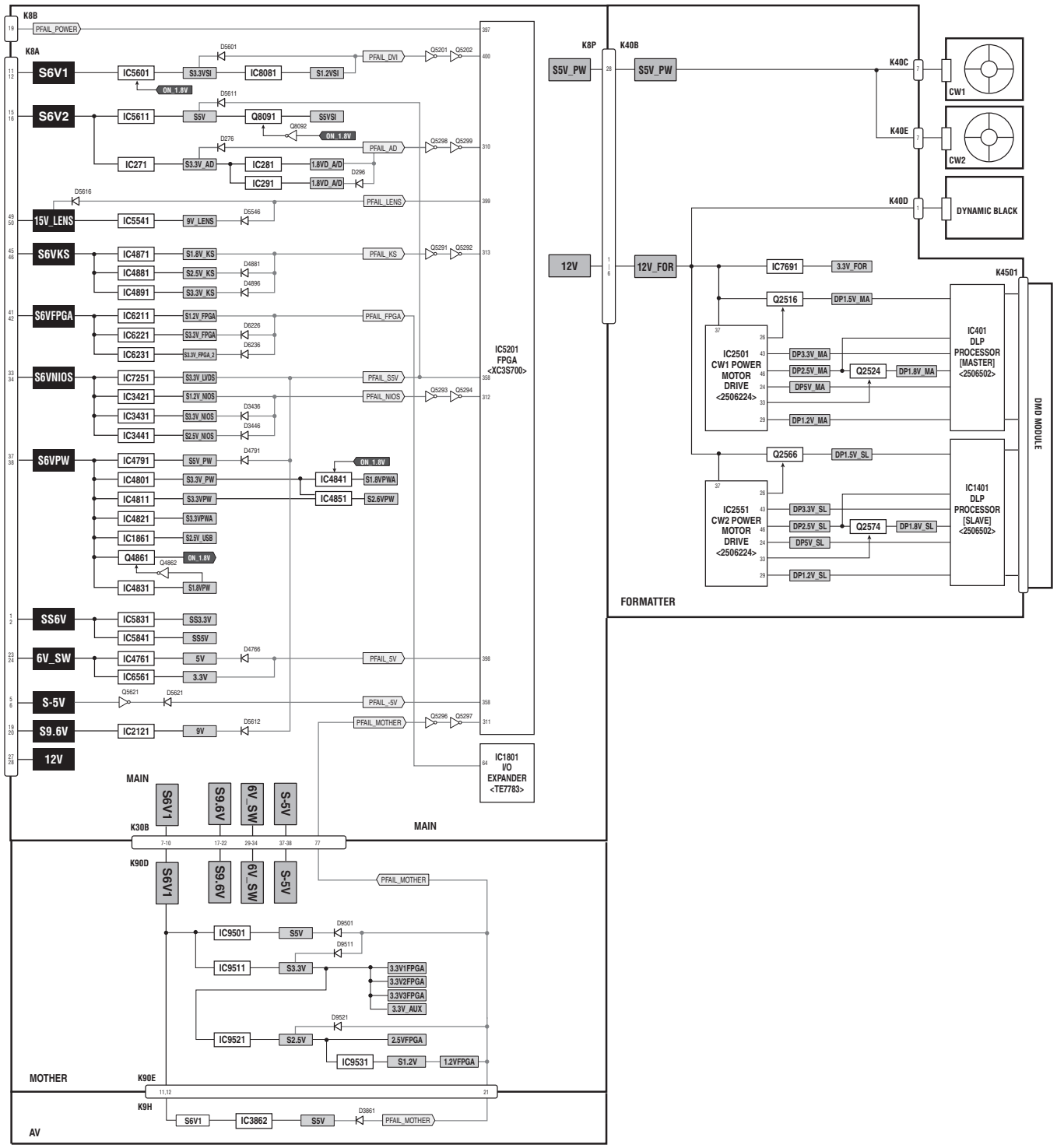
(A) : Press and hold MENU and SELECT buttons on the projector for more than 3 seconds

(B) : Press and hold POWER ON/STAND-BY button on the projector or on the remote control unit for more than 20 seconds.

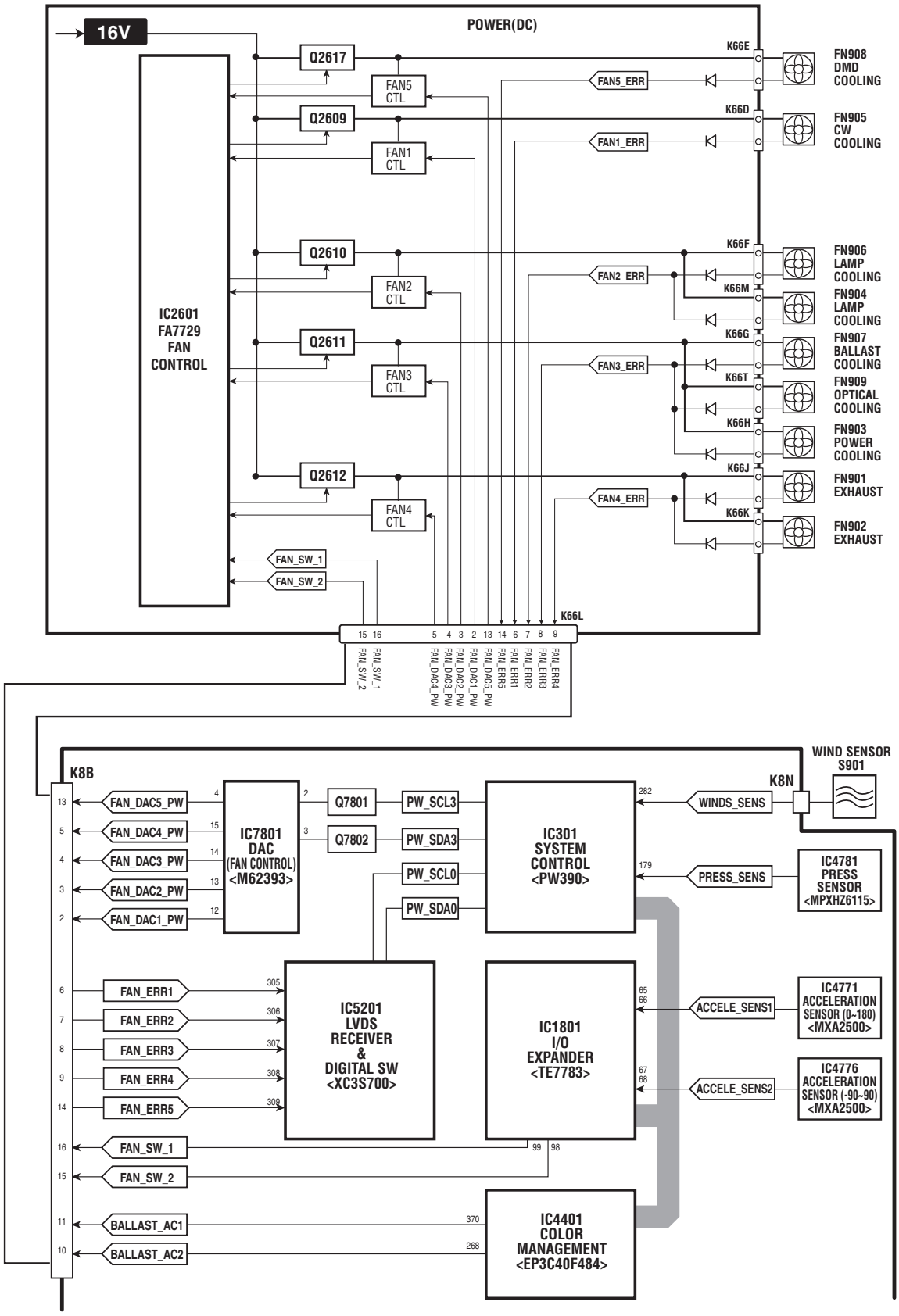
Timing chart of drive signals



Power supply lines



Fan Control System



Temperature Abnormality

Temperature monitor operation
The temperature monitor system is provided to prevents damage of optical components inside a projector from overheat. Two protection systems are provided. Each system operation as follows :

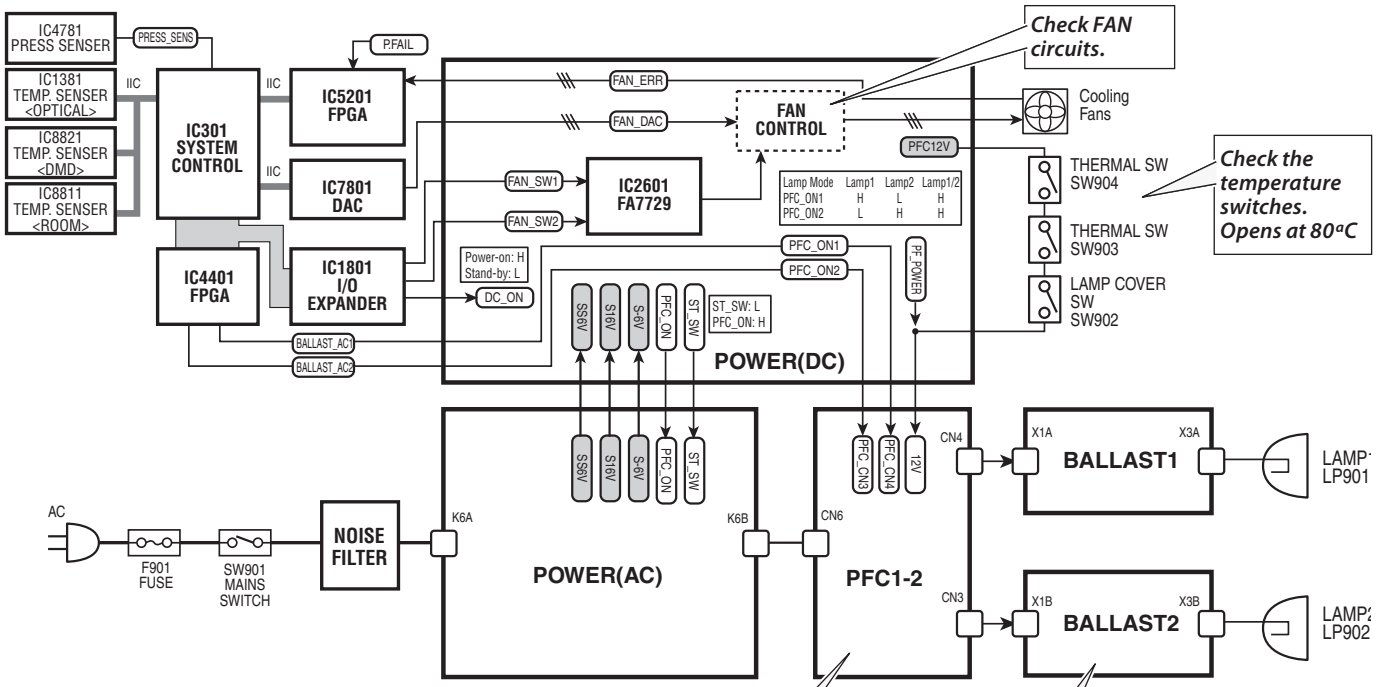
The temperature monitor -1:

● **To control the air-flow of the cooling fans.**
The CPU checks the temperature and atmospheric pressure inside a projector. It checks a temperature using temperature sensors IC8821 and IC1381, and it checks an atmospheric pressure using pressure sensor IC4781. The CPU judges data from sensors and controls the air flow of the cooling fans so the temperature inside the projector is maintained to normal temperature.

● **To shut down the projector urgently.**
The CPU checks temperature of DMD module periphery (IC8821), optical parts periphery (IC1381) and intake air (IC8811). If each part temperature reaches abnormal temperature, the CPU will turn off the projector, and will blink WARNING TEMP. indicator at intervals of 0.5 seconds. Cooling fans operate until temperature returns to normal. Indicator will stop blink, if temperature returns to normal.

The temperature monitor -2 :

● **Temperature check of lamps :**
Temperature switches (SW903, SW904) are placed near the lamps. Temperature switches will operate, if temperature reaches 80ºC. When temperature switches become open, they cut off PFC12V line, the power failure "PF_POWER" signal become Low, and then the CPU will shut down the projector, and the LAMP indicator is lighting and other indicators are blinking.



NOTE : SENSORS OPERATION

■ The sensor's operation is as follows:
IC4781 : Pressure sensor For FAN control
IC1381 : Inside air temperature monitor (Optical)
IC8821 : Inside air temperature monitor (DMD)
IC8811 : Inside air temperature monitor (Room)

Temperature sensors location can be seen on "protections"(page-8).

The temperature switch is operated?

If the temperature around FET reaches 105 degrees, a PFC circuit will be shut down.

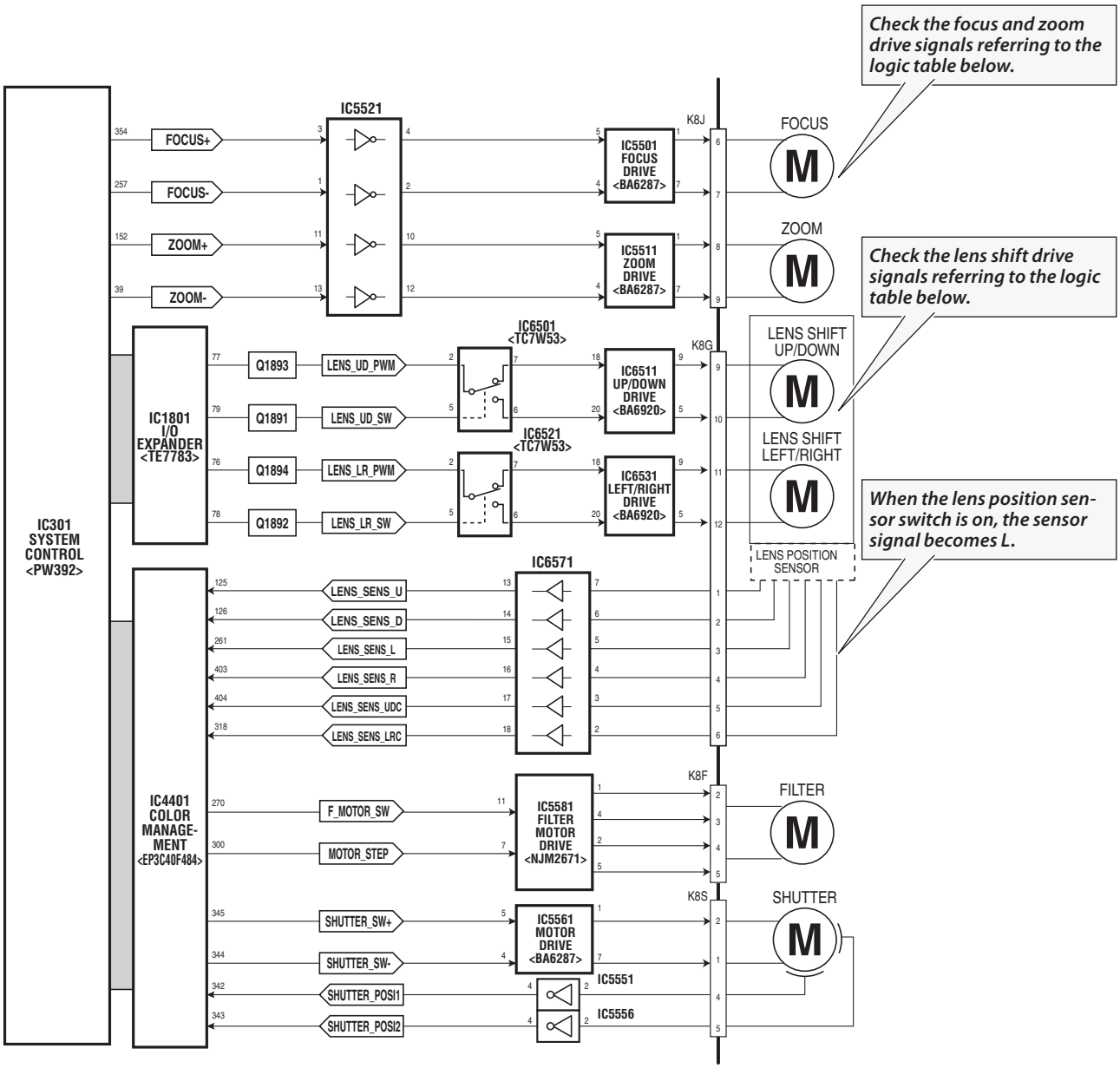
The temperature switch is operated?

When the temperature around a lamp driver becmes abnormally high, the lamp ballast will be shut down and a lamp error signal changes from L to H.

LED indicators

When the internal temp error, the WARNING TEMP. indicator will be blinking.
When the temperature rises abnormally around the lamps1 or 2, the LAMP indicator is lighting and other indicators are blinking.

Power Lens and Shutter System and Abnormality



- Focus motor drive

MODE/PIN	IC5501			
	4 (FIN)	5 (RIN)	1 (OUT1)	7 (OUT2)
Forward	H	L	H	L
Reverse	L	H	L	H
BRAKE	H	H	L	L

- Zoom motor drive

MODE/PIN	IC5511			
	4 (FIN)	5 (RIN)	1 (OUT1)	7 (OUT2)
Forward	H	L	H	L
Reverse	L	H	L	H
BRAKE	H	H	L	L

- Lens shift motor drive (Up/Down)

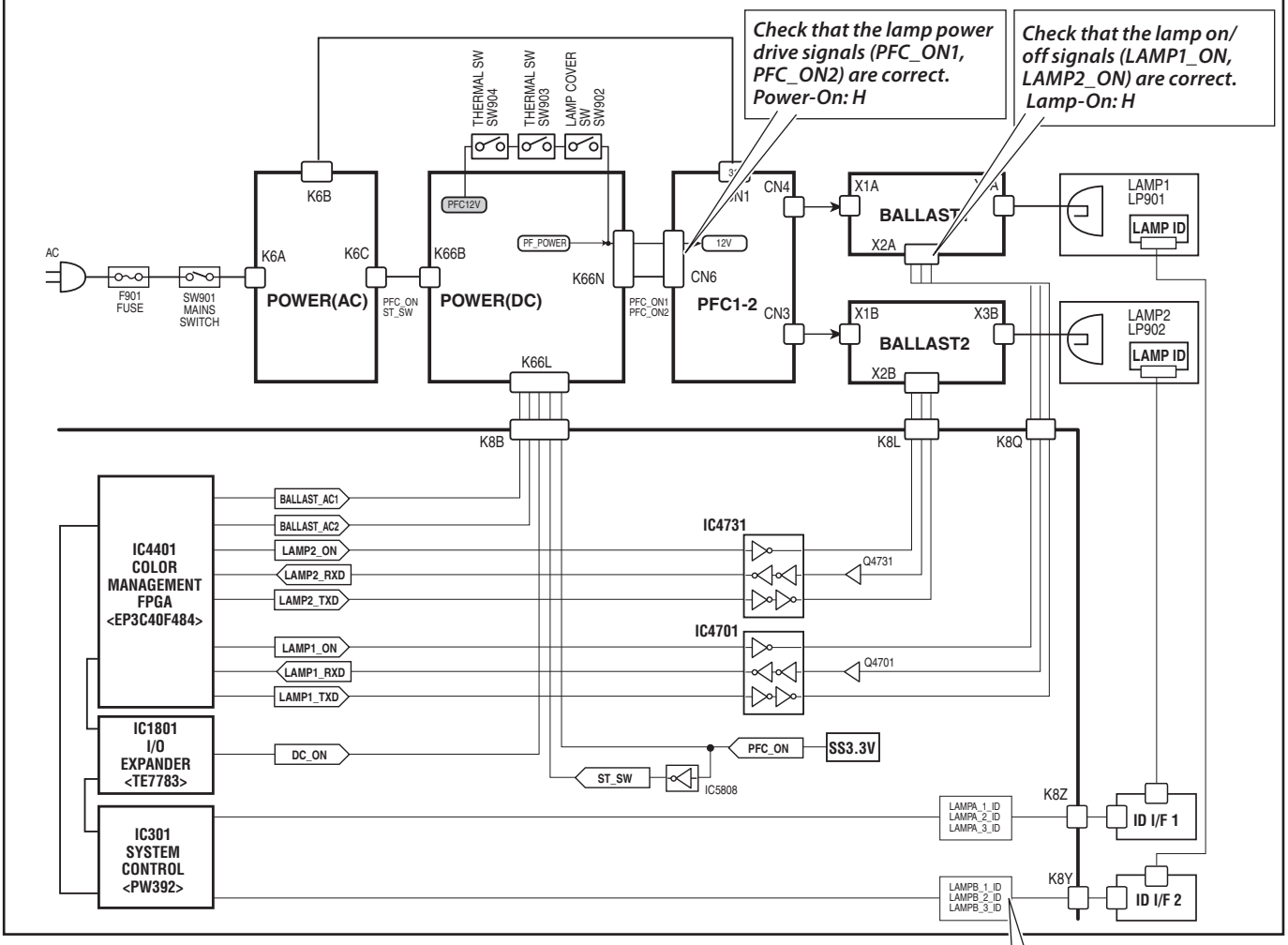
MODE/PIN	IC6501				IC6511	
	2 (INH)	5 (A)	6 (RIN)	7 (FIN)	9 (OUT1)	5 (OUT2)
UP	L	H	L	H	H	L
DOWN	L	L	H	L	L	H
BRAKE	H	ANY	H	H	L	L

- Lens shift motor drive (Left/Right)

MODE/PIN	IC6521				IC6531	
	2 (INH)	5 (A)	6 (RIN)	7 (FIN)	9 (OUT1)	5 (OUT2)
LEFT	L	H	L	H	H	L
RIGHT	L	L	H	L	L	H
BRAKE	H	ANY	H	H	L	L

Lamp Abnormality

■ The Lamp Driving Circuit



NOTE :

- ■ At first, the high-voltage pulse (about 8KVp-p) is generated between the lamp electrodes to generate glow discharge. Then dielectric breakdown occurs, finally glow discharge comes to arc discharge.
- ■ After projector turned on, 30 seconds are required until the light output stabilizes.
- ■ After the projector is turned off, the cooling fans operate for 90 seconds to cool down the lamp and reduce gas pressure inside the lamp.

NOTE :

■ Lamp Cover Switch

Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light for safety.

Check the boss of the lamp cover and the lamp cover switch (SW902).

SW902 -- open : Abnormality

■ Thermal Switches

When the internal temperature near the lamps reaches near 80ºC, the temperature switches open and 12V is not supplied to PFC1-2 board, also the Power fail signal "PF_POWER" bocomes "Low".

SW903 - SW904 -- open : Abnormality

■ POWER (green) LED indicates lamp monitor operation

LED off: Lamp is being cooled.

LED on: Lamp is being lit or already cooled down.

CPU : ---- Lamp monitor operation ----

- ■ The CPU performs an input check by the lamp monitor pin (LAMP_RX).
- ■ When the "H" signal continues 1 second or more continuously, the CPU judges the state to be abnormal.
- ■ When it has detected abnormal condition, the CPU turns off a projector compulsorily. And the CPU sets up the cooling time for 90 seconds.
- ■ The projector cannot be turned on during a cooling time.

Power failure detection system

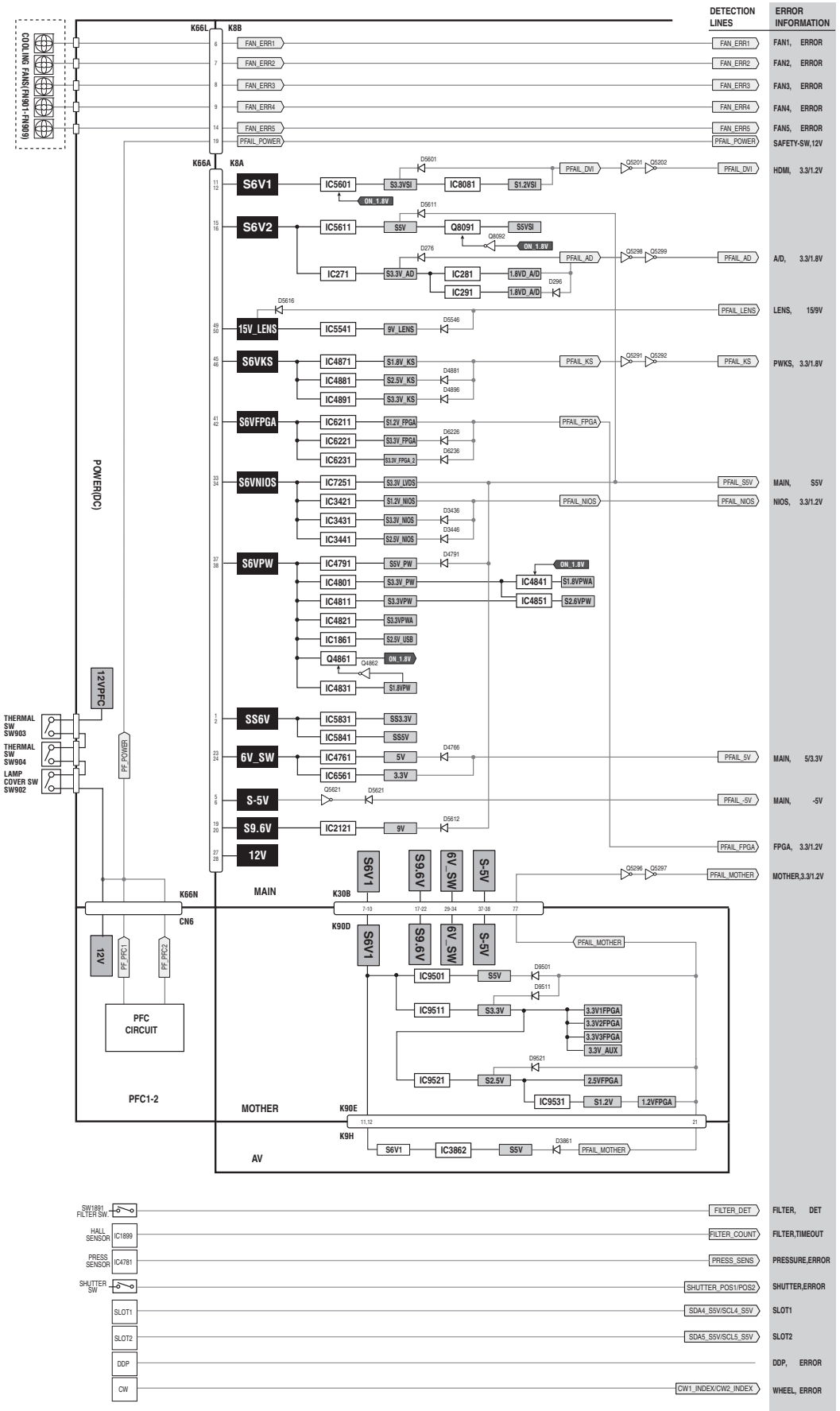
Detection of Power failure

Projector provides a protection circuit to prevent the secondary failure when the power failure, fans failure or temperature failure occurs on the projector. The power failure detection lines "PFAIL_S5V, "FAN_ERR1", etc. are connected to the power supply lines and fans. When the failure occurs, IC301<SYSTEM CONTROL> receives an error information through the ICs<IC5201, IC1801, etc.> and then the operation of power and ballast will be stop by the control signals, "DC_ON", "BALLAST_AC1", "BALLAST_AC2".

Error information table

IC	Pin	Signal Name	Connection Lines	Error Information	Failure Area
IC5201	400	PFAIL_DVI	S1.2VSI, S3.3VSI	HDMI, 3.3/1.2V	DVI/HDMI on Main
	356	PFAIL_-5V	S-5V	MAIN, -5V	-5V line on Main
	358	PFAIL_S5V	S5V, S3.3V_LDVS, S5V_PW, 9V	MAIN, S5V	S6VNIOS, S6V2, S9.6V, S5V, S3.3V_LDVS, S5V_PW lines on Main
	399	PFAIL_LENS	15V_LENS, 9V_LENS	LENS, 15/9V	15V_LENS, 9V LENS lines on Main
	398	PFAIL_5V	5V. 3.3V	MAIN, 5/3.3V	6V_SW, 5V, 3.3V lines on Main
	397	PFAIL_POWER	Power(DC), PFC	SAFETY-SW, 12V	12V on Power(DC), SW902, SW903, SW904, PFC1-2 board
	310	PFAIL_AD	S3.3V_AD, 1.8V_AD, 1.8VA_AD	A/D, 3.3/1.8V	S6V2, S3.3V_AD, 1.8V_AD, 1.8VA_AD, S6V2 lines on Main
	311	PFAIL_MOTHER	S5V, S3.3V, S2.5V, S1.2VFPGA	MOTHER, 3.3/1.2V	S6V1, S5V, S3.3V, S2.5V, 1.2VFPGA on Mother or AV
	312	PFAIL_NIOS	S3.3V_NIOS, S2,5V_NIOS, S1.2V_NIOS, S6VNIOS	NIOS, 3.3/1.2V	S6VNIOS, S3.3V_NIOS, S2.5V_NIOS, S1.2V_NIOS lines on Main
	313	PFAIL_KS	S3.3V_KS, S2.5V_KS, S1.8V_KS	PWKS, 3.3/1.8V	S6VKS, S3.3V_KS, S2.5V_KS, S1.8V_KS, S6VKS lines on Main
IC1801	64	PFAIL_FPGA	S3.3V_FPGA, S3.3V_FPGA_2, S1.2V_FPGA	FPGA, 3.3/1.2V	S3.3V_FPGA, S3.3V_FPGA_2, S1.2V_FPGA, 6VFPGA lines on Main
IC5201	305	FAN_ERR1	FN905 FAN LOCK	FAN1, ERROR	Fan lock on FN905, cooling for CW
	306	FAN_ERR2	FN904, FN906 FAN LOCK	FAN2, ERROR	Fan lock on FN904, FN906, cooling for lamps
	307	FAN_ERR3	FN903, FN907, FN909 FAN LOCK	FAN3, ERROR	Fan lock on FN903, FN907, FN909, cooling for power, ballast, optical
	308	FAN_ERR4	FN901, FN902 FAN LOCK	FAN4, ERROR	Fan lock on FN901, FN902, exhaust fans
	309	FAN_ERR5	FN908 FAN LOCK	FAN5, ERROR	Fan lock on FN908, cooling for DMD
IC4401	205	FILTER_DET	SW1891	FILTER, DET	Filter Cartridge Detection, SW1891
	198	FILTER_COUNT	FILTER_COUNT	FILTER, TIME OUT	Filter Motor Error
	342 343	SHUTTER_POS1 SHUTTER_POS2	SHUTTER_POS1 SHUTTER_POS2	SHUTTER,ERROR	Shutter unit
IC301	179	PRESS_SENS	Air Pressure Detection	PRESSURE,ERROR	Error under the pressure 500mmHg, IC4781
	250 33	SDA5_S5V SCL5_S5V	SLOT1 IIC SLOT2 IIC	SLOT1 SLOT2	SLOT1, SLOT2
IC401 IC1401	157 280	CW1_INDEX CW2_INDEX	CW1_INDEX CW2_INDEX	WHEEL, ERROR	Color Wheel, Formatter board
				DDP, ERROR	Formatter board

Power failure detection tree



Error History Log

This projector provides the error history log function. To check the logs, you need to enter the service mode and select Group No. "220" and Item No. "0" to "49". The error code is displayed on the Data column. The description of the error code is listed on the table below.

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Group No.	Item No.	Data (Error Code)
220	0	✻ <- Latest Error
	1	✻
	2	✻
	3	✻
	:	:
	:	:
	49	✻

Error	Error Code	Error Infomation (See Powe Failure Detection Tree)	Error Code	Error Infomation (See Powe Failure Detection Tree)
Normal	0	-		
Power Failure	1000	HDMI, 3.3/1.2V	1016	FILTER, DET
	1001	MAIN, -5V	1017	FILTER, TIME OUT
	1002	MAIN, S5V	1018	PRESSURE, ERROR
	1003	LENS, 15/9V	1019	SHUTTER, ERROR
	1004	MAIN, 5/3.3V	1020	SLOT1
	1005	SAFETY-SW, 12V	1021	SLOT2
	1006	A/D, 3.3/1.8V	1022	DDP, ERROR
	1007	MOTHER, 3.3/1.2V	1023	WHEEL, ERROR
	1008	NIOS, 3.3/1.2V		
	1009	PWKS, 3.3/1.8V		
	1010	FAN1, ERROR		
	1011	FAN2, ERROR		
	1012	FAN3, ERROR		
	1013	FAN4, ERROR		
	1014	FAN5, ERROR		
	1015	FPGA, 3.3/1.2V		
Temperature Error	2000	Sensor A detected abnormal temperature (IC8811) (Room)		
	2001	Sensor A failed temp. mesurement (IC8811)		
	2100	Sensor B detected abnormal temperature (IC1381) (Optical)		
	2101	Sensor B failed temp. mesurement (IC1381)		
	2102	Sensors B-A temperature error		
	2200	Sensor C detected abnormal temperature (IC8821) (DMD)		
	2201	Sensor C failed temp. mesurement (IC8821)		
	2202	Sensors C-A temperature error		
Lamp Error	3000	Lamp1 fails on		
	3001	Lamp1 goes out		
	3002	Communication Error on Lamp1		
	3100	Lamp2 fails on		
	3101	Lamp2 goes out		
	3102	Communication Error on Lamp2		
System Error	4000	FPGASW, CONFIG		
	4001	FPGAFINE, CONFIG		
Filter Error	5000	Filter clogged		

How to reset the Error History Log

1. Enter the Service Mode, and select Group No. "220" and Item No. "50".
2 The history log will be reset when the Data Value is set to "10". The value automatically returns to "0".

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Diagnosis of Power Failure with RS-232C port

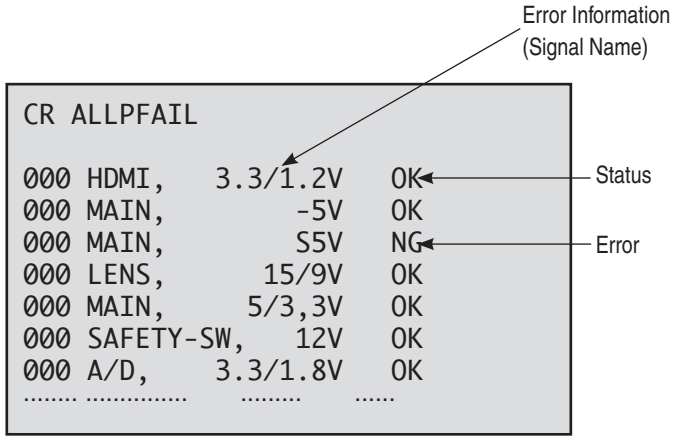
This projector provides a function to get the error information of the projector by using the RS-232C serial port for the power failure diagnosis.
The further error information of the power failure and fan failure can be found out by using this function.

Diagnosis procedure

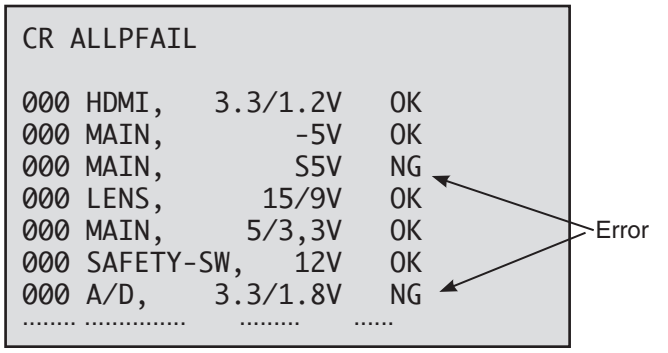
1 Connect a RS-232C serial cross cable to SERIAL PORT IN on the projector and serial port on the PC.
2 Launch a communication software provided with PC and setup the communication condition as follows;

Baud rate	: 9600 / 19200 bps
Parity check	: none
Stop bit	: 1
Flow control	: none
Data bit	: 8

3 Turn on the projector. Check that the LED shows a power failure. (All the LEDs except LAMP LED are blinking)
4 Type a diagnosis command of the power failure “CR ALLPFAIL” and press a "ENTER" key within 1 second on the command window of the software.
The error information will be listed on the window as the right.
Check the status column. If “NG” is listed, the power failure occurs on its signal line (Power Line Name). In case of the right table, this error information means that the power failure occurs on the S5V power supply on Main board. Check if the parts connected to S5V power supply line are defective.



Also the error information may be listed multiple as the below;
In the above case, 2 kinds of causes are considered. One is the power failure occurs on the multiple places at the same time, other is a power failure affects multiple power supply lines even if the failure occurs on the single place.
In the first case, Check if the parts connected to the multiple power supply lines are defective. In the later case, determine a failure point referring to the power supply flow chart on previous page. Basically, if the power failure occurs on the upper side of power supply, the power failure is also detected on lower side of power supply frequently. If the failure occurs on the lower side of power supply, it is lightly affected to the upper side of the power supply. In the above case, because the failure occurs on the S5V power supply on the main board, the failure is also detected on the 3.3/1.8V power supply at A/D section on the main board.



* See "Power Failure Detection Tree" for further description of the Error Information.

Indicators and Projector Condition

Check the indicators for the projector condition.

The projector is operating normally.

Indicators						Projector Condition
POWER green	LAMP red	WARNING TEMP. red	WARNING FILTER orange	SHUTTER blue	LAMP 1/2 REP. orange	
○	○	○	○	○	○	The projector is off. (The main On/Off switch is OFF position or the AC power cord is unplugged.)
☀	☀	○	✻	✻	✻	The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.
☀	☀	○	✻	○	✻	The projector is operating normally. (The Shutter is open)
☀	☀	○	✻	☀	✻	The projector is operating normally. (The Shutter is closed)
○	☀	○	✻	✻	✻	The projector is preparing for stand-by or the projection lamp is being cooled down. The projector cannot be turned on until cooling is completed and the READY indicator lights green.
○	☀	○	✻	○	✻	The projection lamp is being cooled down in the Power management mode.
◐	☀	○	✻	○	✻	The projector is in the Power management mode.
○	☀	○	✻	◐	✻	The projection lamp is being cooled down in the Shutter management mode.
☀	☀	○	✻	◐	✻	The projector is in the Shutter management mode. Press the ON/STAND-BY button to turn on the projector.
☀	☀	○	◐s	✻	✻	The filter is scrolled using the FILTER button on the remote control or the Filter control function in the setting menu. When the filter is being scrolled, the Filter replacement icon and “Please wait...” message (Fig. 1) appear on the screen.

Fig.1 Filter replacement icon and “Please wait...”

☀ • • • on

☀ • • • dim

○ • • • off

◐ • • • blinking at the normal rate (approx. 1 second ON, 1 second OFF)

◐f • • • blinking fast (approx. 0.5 seconds ON, 0.5 seconds OFF)

◐s • • • blinking slow (approx. 2 seconds ON, 2 seconds OFF)

✻ • • • Differs according to conditions.

The projector is detecting abnormal condition.

Indicators						Projector Condition
POWER green	LAMP red	WARNING TEMP. red	WARNING FILTER orange	SHUTTER blue	LAMP 1/2 REP. orange	
☀	☀	◐ s	✻	✻	✻	The temperature inside the projector is elevated close to the abnormally high level.
○	☀	◐ f	✻	✻	✻	The temperature inside the projector is abnormally high. The projector cannot be turned on. When the projector is cooled down enough and the temperature returns to normal, the POWER indicator lights green and the projector can be turned on. (The WARNING TEMP. indicator keeps blinking.) Check and replace the filter.
☀	☀	◐ f	✻	✻	✻	The projector has been cooled down enough and the temperature returns to normal. When turning on the projector, the WARNING TEMP. indicator stops blinking. Check and replace the filter.
○	☀	○	✻	✻	☀	The lamp cannot light up. (The projector is preparing for stand-by or the projection lamp is being cooled down. The projector cannot be turned on until cooling is completed.)
☀	☀	○	✻	✻	☀	The lamp cannot light up. (The lamp has been cooled down enough and the projector is in stand-by mode and ready to be turned on with the ON/STAND-BY button.)
☀	☀	✻	✻	✻	☀	When either of the 2 lamps is out, the projector operates with 1 lamp.
✻	✻	✻	✻	✻	☀	The lamp has been used overtime. Replace the lamp immediately and then reset the lamp counter. The indicator will be turned off after resetting the counter.

WARNING FILTER

When the filter detects clogging, reaches a time set in the timer setting or runs out of the filter scroll, the WARNING FILTER indicator lights orange. When this indicator lights orange, replace the filter or the filter cartridge with a new one promptly. Reset the Filter counter and Scroll counter after replacing the filter cartridge.

LAMP REPLACE 1 and 2

When the LAMP 1 REPLACE indicator and the LAMP 2 REPLACE indicator light orange, replace the projection lamps with new ones promptly.

The projector is detecting abnormal condition.

Indicators						Projector Condition
POWER green	LAMP red	WARNING TEMP. red	WARNING FILTER orange	SHUTTER blue	LAMP 1/2 REP. orange	
☀	✻	○	☀	✻	✻	If the Filter counter reached a time set in the timer setting, a Filter replacement icon (Fig.2) appears on the screen and the WARNING FILTER indicator on the top panel lights up. Replace the filter as soon as possible. If the filter is out of scroll and the projector reaches a time set in the timer setting, Fig. 3 appears on the screen and the WARNING FILTER indicator lights up. Replace the filter cartridge as soon as possible. If the filter is clogged and no scroll is left in the filter cartridge, a Filter cartridge replacement icon (Fig.4) appears on the screen and the WARNING FILTER indicator lights up. Replace the filter cartridge as soon as possible. ✔**Note:** •Fig.2, Fig.3 and Fig.4 icon will not appear when the Display function is set to "Off", or during "Freeze".
☀	☀	○	☀f	✻	✻	The projector detects an abnormal condition during filter scroll.
✻	☀	○	☀f	✻	✻	The projector is being cooled down after detecting an abnormal condition during filter scroll.
☀	☀	○	☀f	✻	✻	The projector has been cooled down enough and is in the stand-by mode after detecting an abnormal condition during filter scroll.
☀	✻	✻	☀	✻	✻	The filter cartridge is removed while the projector is on.
☀f	☀	☀f	☀f	☀f	☀f	The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center. Do not leave the projector on. It may cause an electric shock or a fire hazard. or Start up the projector with no air filter cartridge installed, after that try to mount the filter cartridge. The projector will be set into the standby.
✻	✻	✻	✻	☀f	✻	The shutter is out of control.
○	☀	○	✻	☀f	✻	The shutter is out of control. (The projector is in the cooling mode.)
☀	☀	○	✻	☀f	✻	The shutter is out of control. (The projector is in the stand-by mode.) In that case, contact the service station immediately.

Fig.2 Filter replacement icon

Fig.3

Fig.4 Filter cartridge replacement icon

Serial Control

Serial Control Interface

This projector provides a function to control and monitor the projector's operations by using the RS-232C serial port.

Operation

1 Connect a RS-232C serial cross cable to SERIAL PORT IN on the projector and serial port on the PC.

2 Launch a communication software provided with PC and setup the communication condition as follows:

Baud rate	: 9600 / 19200 bps
Parity check	: none
Stop bit	: 1
Flow control	: none
Data bit	: 8

3 Type the command for controlling the projector and then enter the "Enter" key.
Example
When you want to change the input to INPUT 2, Type 'C' '0' '6' 'Enter'.

Note:
- The default of the baud rate is set to 19200 bps. If an error occurs in the communication, change the serial port and the communication speed (baud rate).
- Enter with ASCII 64-byte capital characters and one-byte characters.

Functional Execution Command

Format

The command is sent from PC to the projector with the format below;
'C' [Command] 'CR'
Command: two characters (refer to the command table below.
- The projector decodes the command and returns the 'ACK' with the format below;
'ACK' 'CR'
- When the projector cannot decode the command, it returns with format below.
'?' 'CR'

Command	Function
C00	Turn the projector ON
C01	Turn the projector OFF (immediately OFF)
C05	Select Input 1
C06	Select Input 2
C07	Select Input 3
C08	Select Input 4
C0D	Video mute ON
C0E	Video mute OFF
C0F	Screen Normal Size
C10	Screen Full Size
C1C	Menu ON
C1D	Menu OFF
C3A	Pointer RIGHT

Command	Function
C3B	Pointer LEFT
C3C	Pointer UP
C3D	Pointer DOWN
C3F	Enter
C46	Zoom DOWN
C47	Zoom UP
C4A	Focus DOWN
C4B	Focus UP
C5D	Lens shift UP
C5E	Lens shift DOWN
C5F	Lens shift LEFT
C60	Lens shift RIGHT
C89	Auto PC Adj.
C8E	Keystone UP
C8F	Keystone DOWN
C90	Keystone RIGHT
C91	Keystone LEFT

Status Read Command

Format

The command is sent from PC to the projector with the format below;

'CR' [Command] 'CR'

Command: one character (refer to the command table below.

The projector decodes the command and returns the 'Character string' with the format below;

Command	Function	Projector Return	Projector status
CR0	Status Read	00	Power On
		80	Stand-by mode
		40	Countdown
		20	Cooling down
		10	Power Malfunction
		28	Cooling down at the temperature anomaly
		02	Unable to receive the RC232C command.
		24	Cooling down at Power Management mode
		04	Power Management mode after Cooling down
		21	Cooling down after the projector is turned off when the lamps are out.
		81	Stand-by mode after Cooling down when the lamps are out.
		88	Stand-by mode after Cooling down at the temperature anomaly.
		2C	Cooling down when the projector is turned off by the shutter management function.
		8C	Stand-by mode after Cooling down by the shutter management function.
CR6	Temperature Read	S1 S2 S3	S1 = Temperature at Sensor 1 (˚C) S2 = Temperature at Sensor 2 (˚C) S3 = Temperature at Sensor 3 (˚C) (ex.) S1 = 12.3˚C, S2 = 23.4˚C, S3 = 34.5˚C --> The projector displays “12.3 23.4 34.5” (For each sensor, two digit and the tenth place numbers are displayed with a space between each temperature.)
		?	Communication failure

The tables on page 143 and 144 show the typical command lists for controlling the projector. Please consult your local dealer for further information of other commands.

Control Port Functions

IC	Pin No.	Pin Name	FunctionName	Function	I/O	Operation
	D26	PORTA0	-	Not used	-	
	D27	PORTA1	-	Not used	-	
	D28	PORTA2	PW_SDA3	IIC Control	I/O	
	D29	PORTA3	PW_SCL3	IIC Control	I/O	
	D30	PORTA4	PW_SCL4	IIC Control	I/O	
	C28	PORTA5	PW_SDA4	IIC Control	I/O	
	C29	PORTA6	PW_SCL5	IIC Control	I/O	
	C30	PORTA7	PW_SDA5	IIC Control	I/O	
	F28	PORTB0	DDP_RESET	DDP Reset	O	active:H
	F29	PORTB1	CW_SW	Color Wheel Selection Switch	O	Brightness: H, Color: L
	F30	PORTB2	-	Not used	-	
	E26	PORTB3	-	Not used	-	
	E27	PORTB4	-	Not used	-	
	E28	PORTB5	KS_THRWCTRL	Not used	-	
	E29	PORTB6	KS_RST	Pw610 Reset	O	active:L
	E30	PORTB7	KS_INT	Not used	O	
	H30	PORTC0	SCL_SDA_SW	KeyStone/ FPGAConfig Serial Switch	O	active:H
	G26	PORTC1	KS_THRWEN	KeyStone Serial Enable		H: No Communication, L: Pulse
	G27	PORTC2	SDATA_NIOS	FPGA Comfigration		
	G28	PORTC3	PGM_PW	Not used	-	
	G29	PORTC4	DVI_DDC_SW	Switch for EDID Write		EEPROM-DVI_D:L EEPROM-PW392:H
	G30	PORTC5	HDCP_IIC_SW	Switch for HDCP Auth.	O	active:L
	F26	PORTC6	DSUB_DDC_SW	DSubDDC Write Mode	O	active:L
	F27	PORTC7	P_KEY	Not used	I	Not used
	D18	PORTD0	NSTATUS	FPGA Comfigration	I	active:H
	A19	PORTD1	CONFIG_DONE	FPGA Comfigration	I	active:L
	B19	PORTD2	NCONFIG	FPGA Comfigration	O	active:H
IC301	C19	PORTD3	DBL_SWL	Not used	-	
	D19	PORTD4	PW_ID_PROG	Lamp ID	I/O	L
	A20	PORTD5	ID_PWR_SW	Lamp ID	I/O	active:H
	B20	PORTD6	XSTDBYEN	TE7783	O	H
	AB3	PORTD7	XRST	TE7783 Reset	O	H
	AG12	PORTH0	RXD_PW	Extanal Serial Port	I/O	
	AH12	PORTH1	TXD_PW	Extannal Serial Port	I/O	
	L27	PORTH2	PW_SCL0	IIC Control	I/O	
	L26	PORTH3	PW_SDA0	IIC Control	I/O	
	L29	PORTH4	PW_SCL1	IIC Control	I/O	
	L28	PORTH5	PW_SDA1	IIC Control	I/O	
	M30	PORTH6	PW_SCL2	IIC Control	I/O	
	M29	PORTH7	PW_SDA2	IIC Control	I/O	
	J26	PORTI0	LAMPA_2	Lamp ID	I/O	H
	J27	PORTI1	LAMPA_3	Lamp ID	I/O	L
	J28	PORTI2	LAMPB_1	Lamp ID	I/O	H
	J29	PORTI3	LAMPB_2	Lamp ID	I/O	H
	J30	PORTI4	LAMPB_3	Lamp ID	I/O	L
	H26	PORTI5	LAMPA_1	Lamp ID	I/O	H
	AH10	PORTI6	PW_CEC_A	Not used	-	
	L30	PORTJ0	PW_PWM	FPGA CLK	O	---
	K26	PORTJ1	-	Not used	-	
	K27	PORTJ2	FOCUS +	Focus Control Pulse Output	I/O	
	K28	PORTJ3	FOCUS -	Focus Control Pulse Output	I/O	
	K29	PORTJ4	ZOOM +	Zoom Control Pulse Output	I/O	
	K30	PORTJ5	ZOOM -	Zoom Control Pulse Output	I/O	
	M26	PORTJ6	-	Not used	-	
	M27	PORTJ7	-	Not used	-	

Control Port Functions

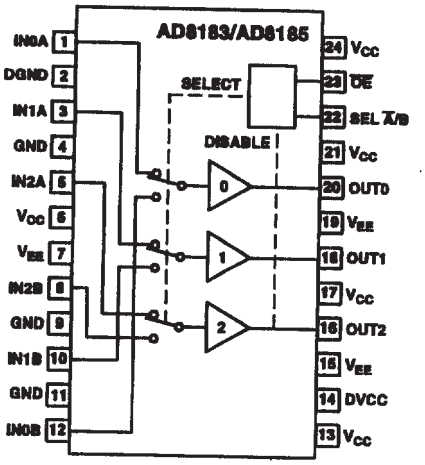
IC	Pin No.	Pin Name	FunctionName	Function	I/O	Operation
	2	P1	POWER_LED	LED Control	O	active:H
	3	P2	FILTER_LED	LED Control	O	active:H
	4	P3	TEMP_LED	LED Control	O	active:H
	5	P4	READY_LED	LED Control	O	active:H
	6	P5	SHUTTER_LED	LED Control	O	active:H
	7	P6	LAMP_REP1_LED	LED Control	O	active:H
	8	P7	LAMP_REP2_LED	LED Control	O	active:H
	9	P8	LIGHT_ALL_LED	LED Control	O	active:H
	91	P11	SCLK_FRT	FPGA Comfigration	O	active:H
	92	P12	SDAT_FRT	FPGA Comfigration	O	active:H
	93	P13	DONE_FRT	FPGA Comfigration	I	H
	94	P14	INT_FRT	FPGA Comfigration	I	H
	97	P15	DC_ON	Power On/Off	O	active:H
	98	P16	FAN_SW2	IO for Fan Control	O	active:H
	99	P17	FAN_SW1	IO for Fan Control	O	active:H
	100	P18	LIGHT_POW_LED	LED Control	O	active:H
IC1801	48	P21	R/C_CTRL2	Switch for RC Input	O	FRONT&TOP:H, TOP&BACK:L, FRONT&BACK:L, FRONT:H, TOP:H, BACK:L, ALL:L
	49	P22	PROG_B_FRT	FPGA Comfigration	O	H
	50	P23	DDP_SCL	IIC for Formatter	I/O	
	51	P24	DDP_SDA	IIC for Formatter	I/O	
	52	P25	R/C_CTRL1	Switch for RC Input	O	FRONT&TOP:L, TOP&BACK:H, FRONT&BACK:L, FRONT:L, TOP:H, BACK:H, ALL:L
	53	P26	R/C_CTRL0	Switch for RC Input	O	FRONT&TOP:L, TOP&BACK:L, FRONT&BACK:H, FRONT:H, TOP:L, BACK:H, ALL:L
	54	P27	USBB_VBUS	USB	O	H: Connected, L: Disconnected
	55	P28	USBB_D+	USB	I/O	
	72	P31	TX_SLOT	UART for Slot	I/O	
	73	P32	RX_SLOT	UART for Slot	I/O	
	74	P33	XM_TXD	UART for Slot	I/O	
	75	P34	-	Not used	-	
	76	P35	LENS_LR_PWM	Lens Shft Control Pulse Output	O	
	77	P36	LENS_UD_PWM	Lens Shft Control Pulse Output	O	
	78	P37	LENS_LR_SW	Switch for Lens Shft L/R	O	Left:H, Right:L
	79	P38	LENS_UD_SW	Switch for Lens Shift U/D	O	Up :H, Down:L
	H18	0	FAN_ERR1	Power Failure Detection	I	H: Error
	J18	1	FAN_ERR2	Power Failure Detection	I	H: Error
	K18	2	FAN_ERR3	Power Failure Detection	I	H: Error
	L18	3	FAN_ERR4	Power Failure Detection	I	H: Error
	M18	4	FAN_ERR5	Power Failure Detection	I	H: Error
	N18	5	PFAIL_AD	Power Failure Detection	I	L: Error
	P18	6	PFAIL_MOTHER	Power Failure Detection	I	L: Error
	R18	7	PFAIL_NIOS	Power Failure Detection	I	L: Error
	T18	8	PFAIL_KS	Power Failure Detection	I	L: Error
	K17	9	PFAIL_-5V	Power Failure Detection	I	L: Error
	M17	10	PFAIL_S5V	Power Failure Detection	I	L: Error
IC5201	K16	11	PFAIL_POWER	Power Failure Detection	I	L: Error
	L16	12	PFAIL_5V	Power Failure Detection	I	L: Error
	M16	13	PFAIL_LENS	Power Failure Detection	I	L: Error
	N16	14	PFAIL_DVI	Power Failure Detection	I	L: Error
	P16	15	-	Not used	-	
	R16	16	-	Not used	-	
	T16	17	-	Not used	-	
	N17	18	-	Not used	-	
	P15	24	-	Not used	-	
	R15	25	SISCDT	HDMI Signal Detection	I	H: Signal, L: No Signal
	T15	26	HDMI1DCT	Not used	O	
	U15	27	HDMI2DCT	Not used	O	

Control Port Functions

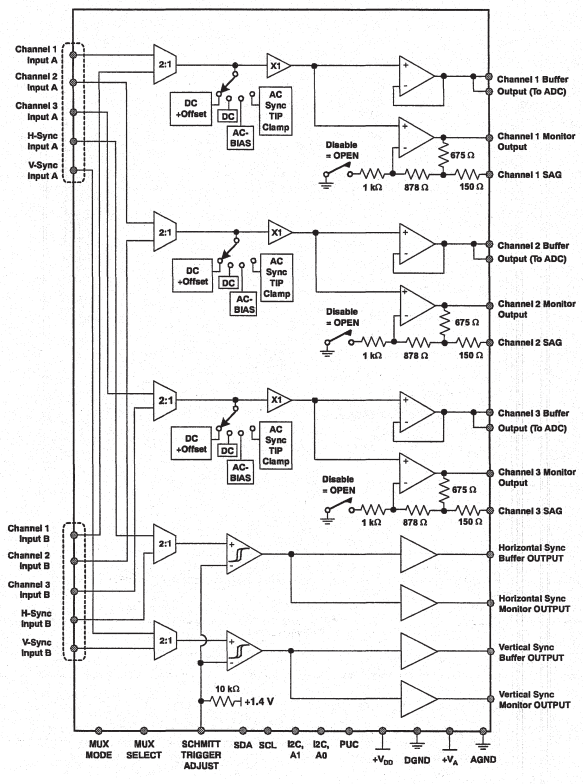
IC	Pin No.	Pin Name	FunctionName	Function	I/O	Operation
	H16	29	W_R/C_SW	Wired RC Detection	I	H: Normal, L: Error
	J16	30	S_SW	Not used	I	
	N15	31	IN0_VDET	Not used	I	
	U11	32	CS_CTL	DVI Equalizer	O	active:H
	U12	33	SIRST	HDMI Reset	O	active:L
IC5201	V14	35	R2HPDOUT_FPGA	Not used	O	
	V15	36	R1HPDOUT_FPGA	Not used	O	
	V16	37	FP_EXP_CON	Long Cable	O	active:H
	V17	38	PC1/PC2_SW	PC1/PC2 Switch	O	H:PC2 L:PC1
	T17	39	SCART_SW	SCART Switch	O	H:SCART L: Other
	AA19	0	LENS_SENSE_U	Lens Shft Up End Detection	I	H: Top End, L: Other
	AA18	1	LENS_SENSE_D	Lens Shift Down End Detection	I	H: Bottom End, L: Other
	T16	2	LENS_SENSE_R	Lens Shift Right End Detection	I	H: Right End, L: Other
	W17	3	LENS_SENSE_L	Lens Shift Left End Detection	I	H: Left End, L: Other
	T15	4	LENS_SENSE_UDC	Lens Shift V Center Detection	I	H: Oner, L: Center
	V15	5	LENS_SENSE_LRC	Lens Shift H Center Detection	I	H: Other, L: Center
	Y17	8	FILTER_COUNT	Filter Counter Detection	I	H: Other, L: Count
	W8	9	F_MOTOR_SW	FilterMotor Enable	O	H: Stop, L: Operate
	Y10	10	FILTER_DET	Filter Detection	I	H: Mounted, L: Unmounted
	K18	11	LAMPCONTROL	Lamp Control Detection	I	Lamp On: Pulse 50:50, L: Lamp Off
	M19	12	LENS_DET	Lens Detection	I	H: Detected L: Not Detected
	W20	13	THERM_DETECT	Theremistor Detection	I	H: Detected L: Not Detected
	U20	14	-	Not used	-	
	P20	15	-	Not used	-	
	N19	16	-	Not used	-	
	N18	17	-	Not used	-	
	T18	18	-	Not used	-	
	T17	19	-	Not used	-	
IC4401	R17	20	-	Not used	-	
	R16	21	-	Not used	-	
	U21	22	-	Not used	-	
	V21	23	-	Not used	-	
	W10	24	BALLAST_AC2	Ballast Power On/Off	O	H: On, L: Off
	U10	25	BALLAST_AC1	Ballast Power On/Off	O	H: On, L: Off
	V14	26	-	Not used	-	
	U14	28	BOOT_HOLD	Writing Mode for Formatter Board	O	H: Normal, L: Write mode
	U11	29	M_ASIC_READY	DDP ASIC Startup Check	I	H:ASIC Not Start L:ASIC Start
	U12	30	SCL_NIOS	Not used	I/O	
	V13	31	SDA_NIOS	Not used	I/O	
	V10	32	-	Not used	-	
	V11	33	-	Not used	-	
	U9	34	WP_CW1	CW ID Write Protect Mode Switch	O	H: Released L: Protected
	V9	35	WP_CW2	CW ID Write Protect Mode Switch	O	H: Released L: Protected
	V8	36	LAMP_STAT	Lamp Status	O	H: Other, L: On
	V12	37	INT	Not used	-	
	W7	38	PJ_MTR	Not used	-	
	V5	39	LENS_TEST	Lens ID Write Protect	O	H: Released L: Protected

IC Block Diagrams

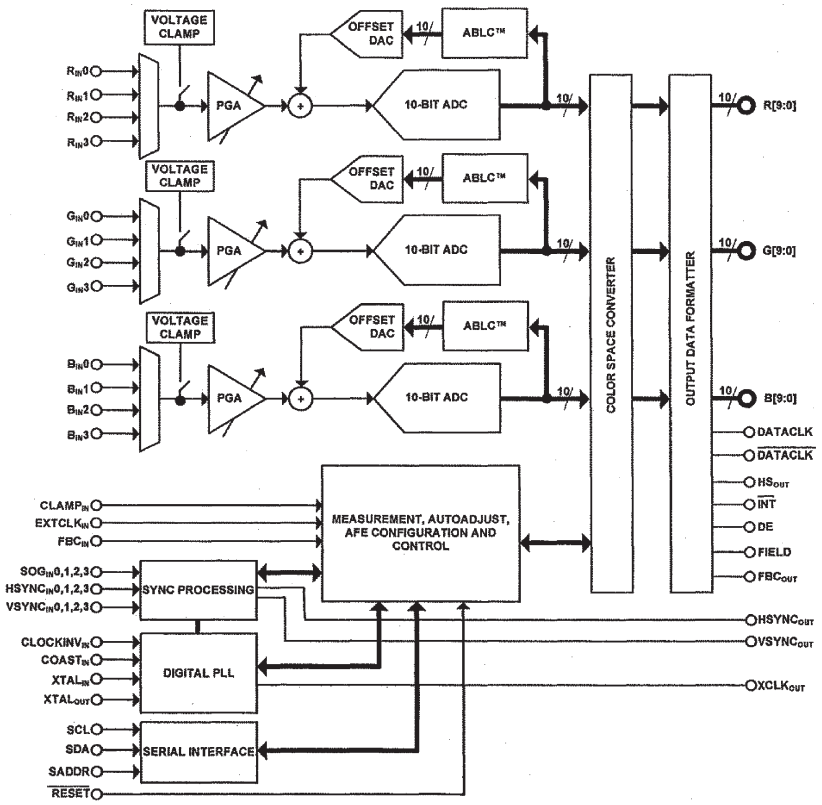
● AD8185ARUZ <Slot RGB-SW, IC9031>



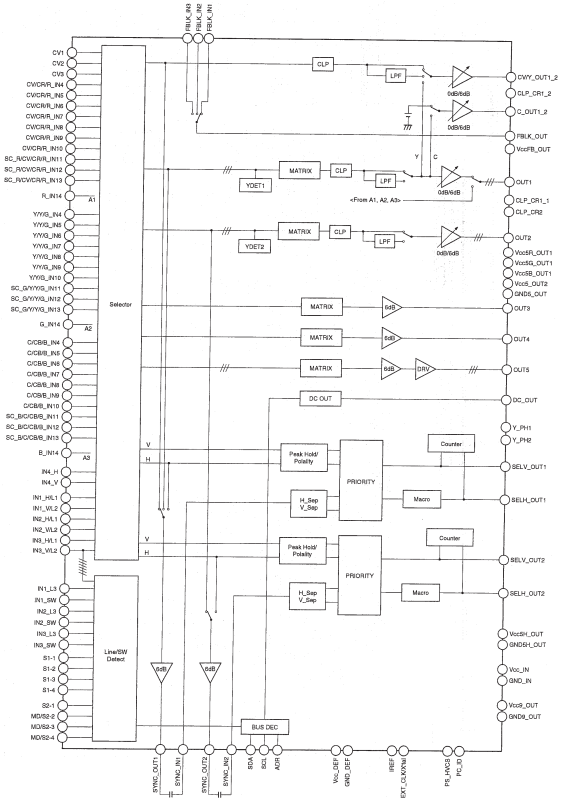
● THS7347IPHPR <Analog SW, IC1201>



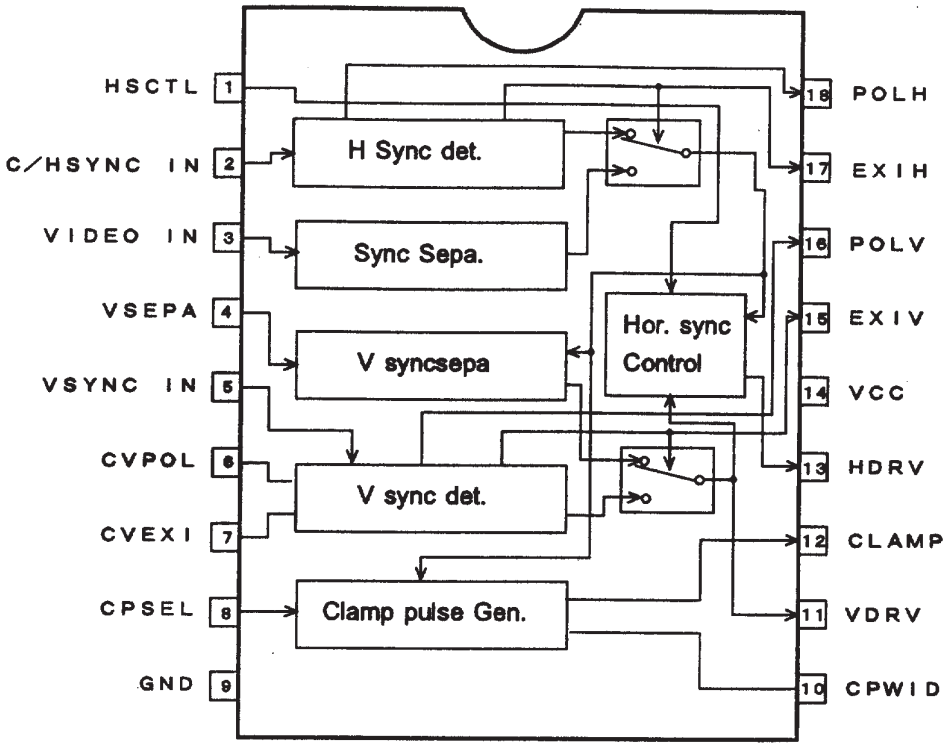
● ISL51002CQZ <A/D, IC201>



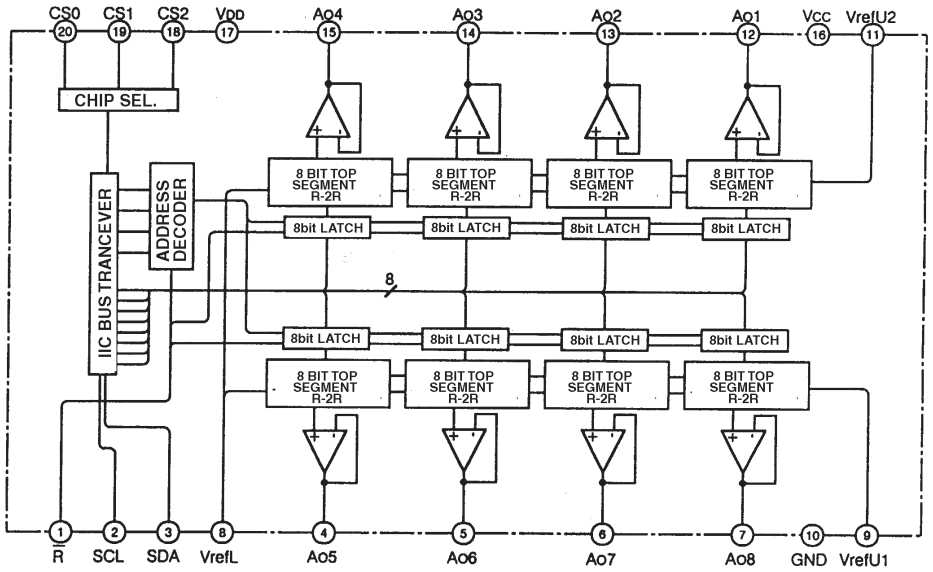
● CXA2239AR <Componemt SW, IC2201>



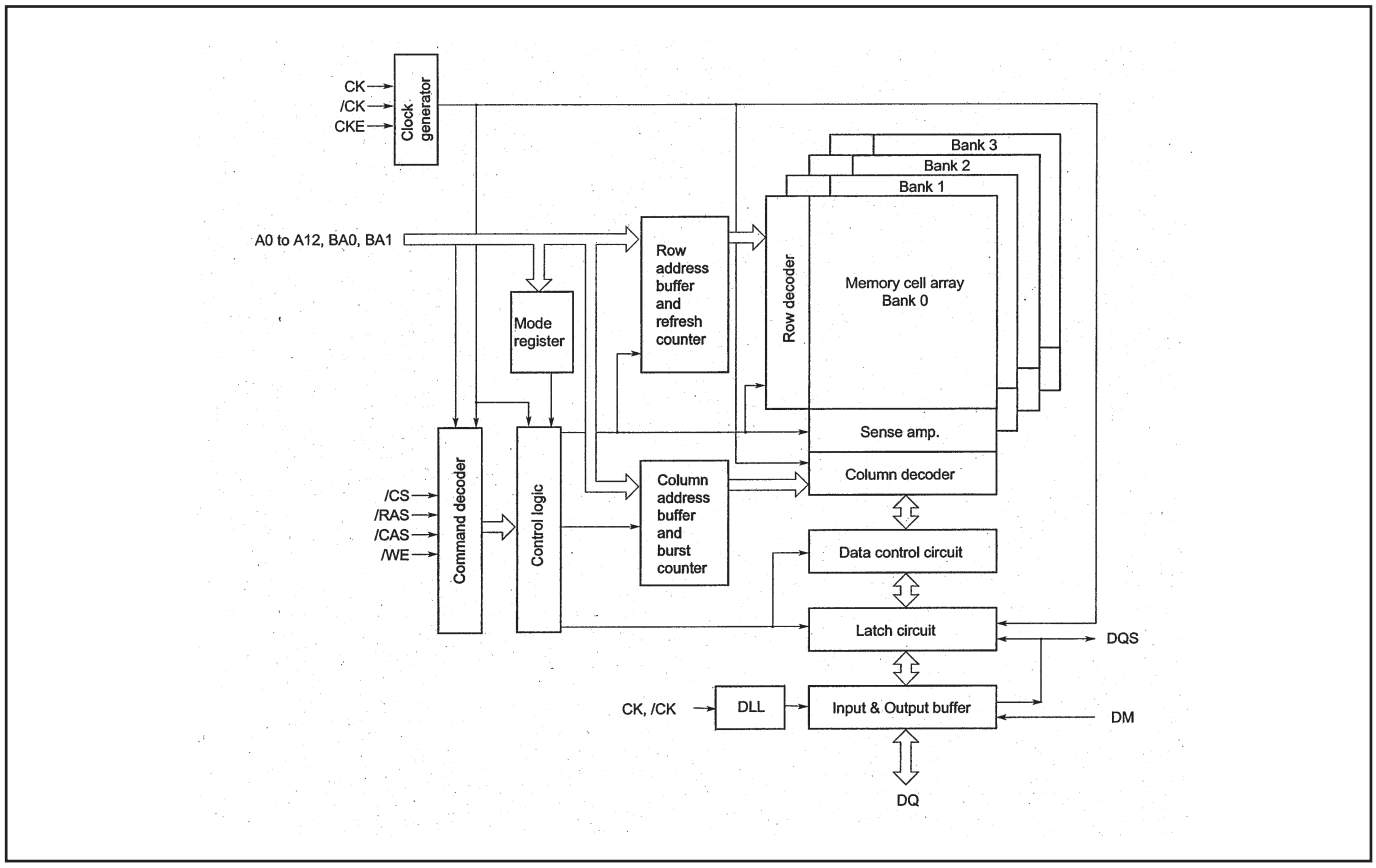
● BA7078AF <Sync-Sep., IC5321>



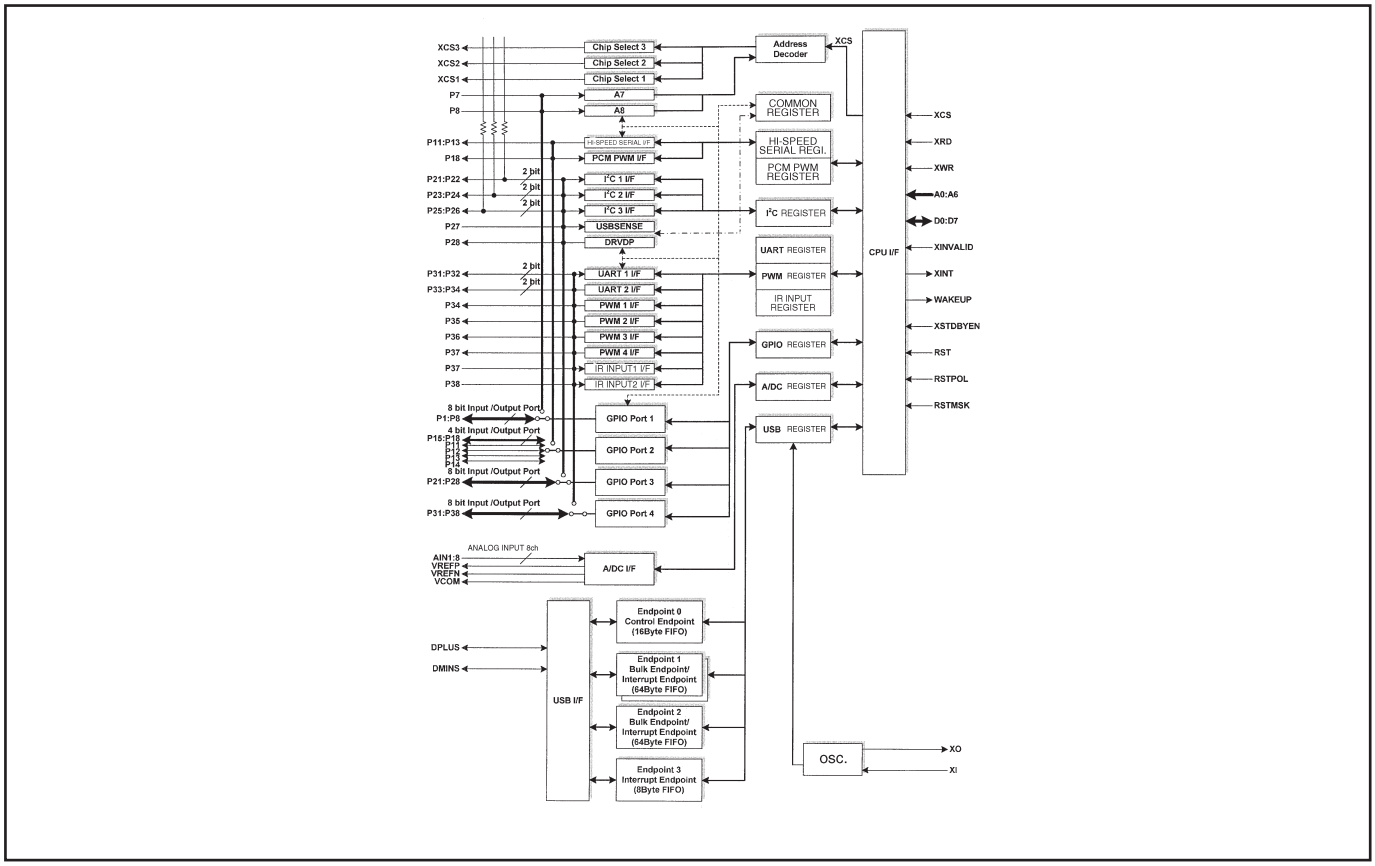
● M62393FP <DAC, IC7801>



● EDD2516AETA <RAM, IC1311,IC1331>



● TE7783APF <I/O Expander, IC1801>



● PW392 <Scaler, IC301>

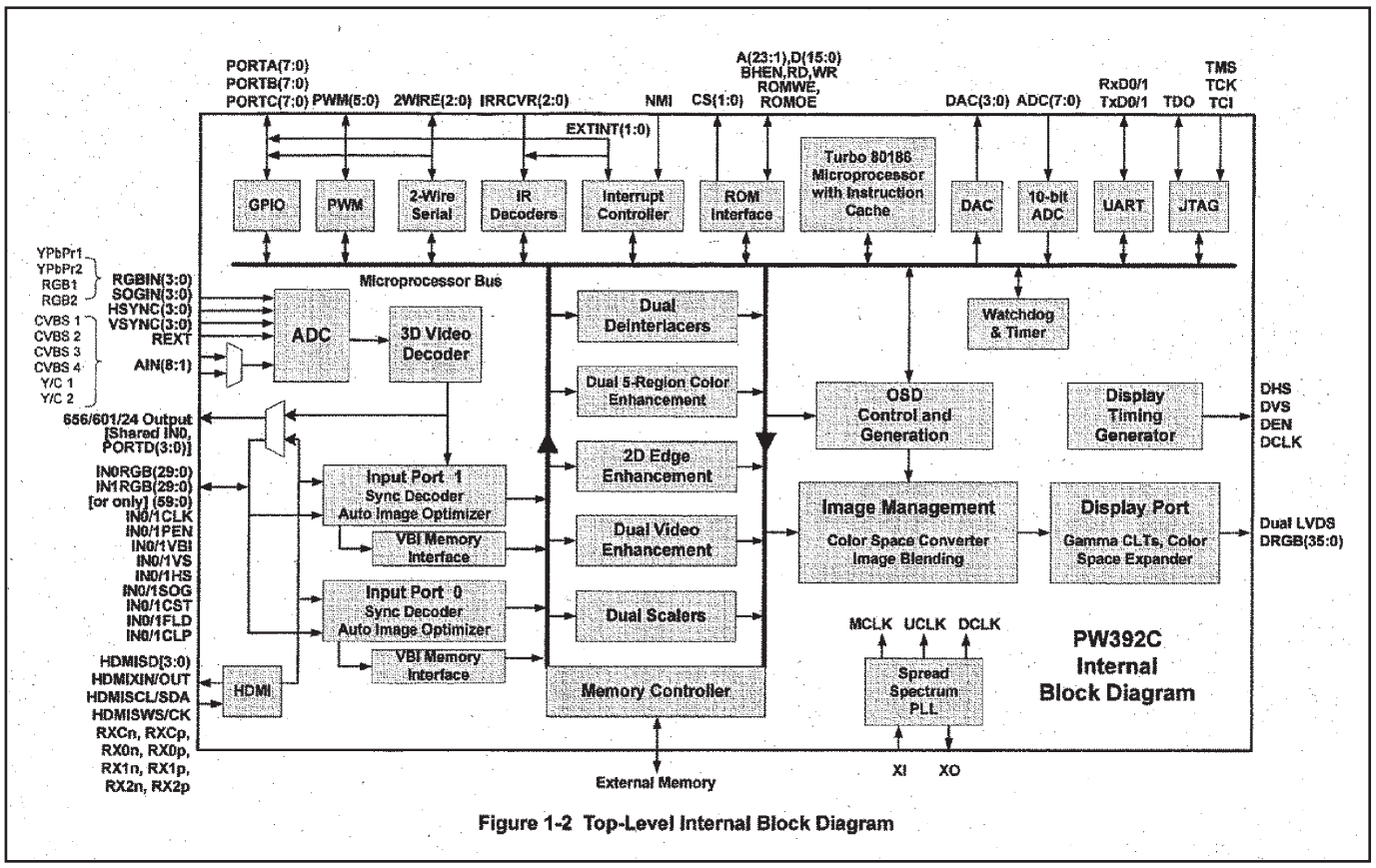
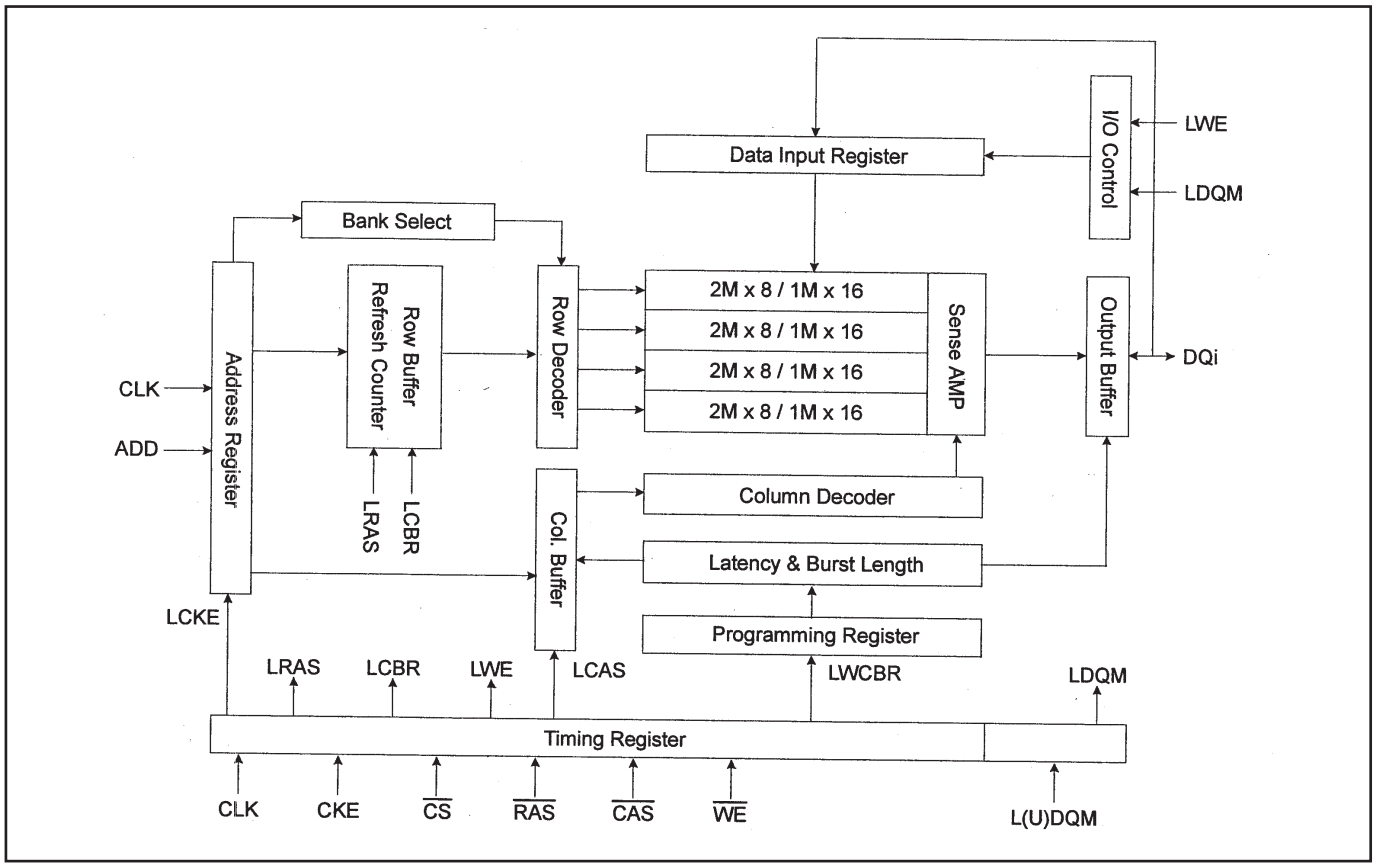
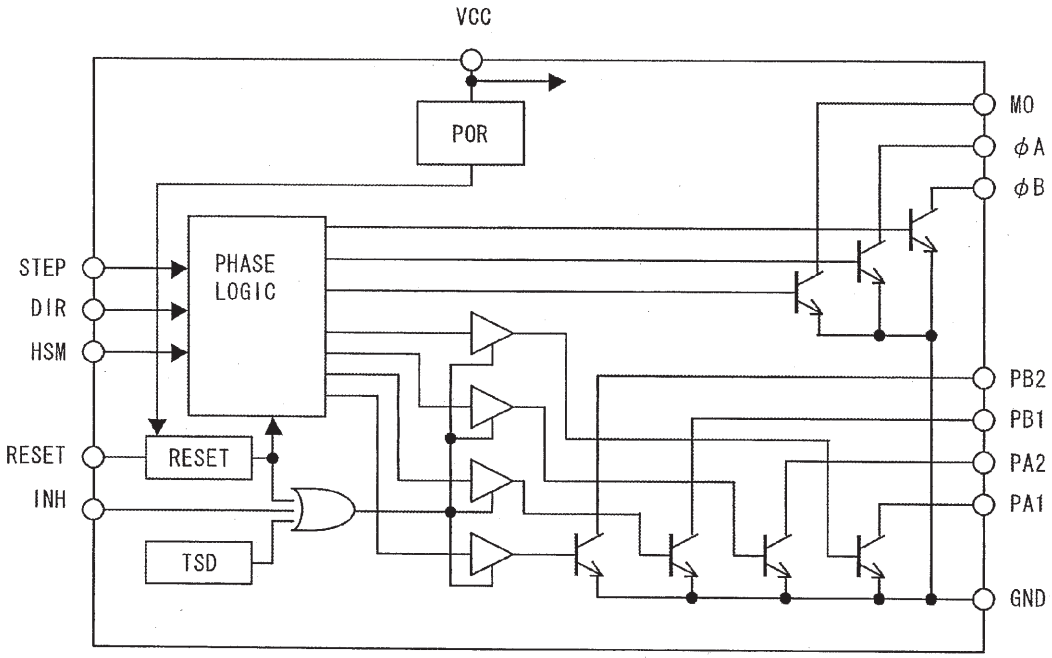


Figure 1-2 Top-Level Internal Block Diagram

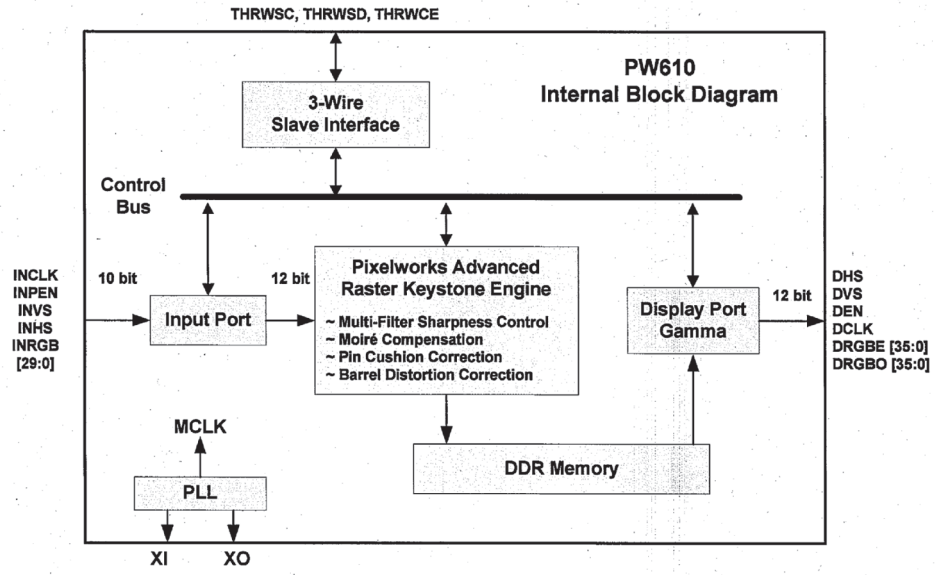
● K4S641632K <SDRAM, IC3401>



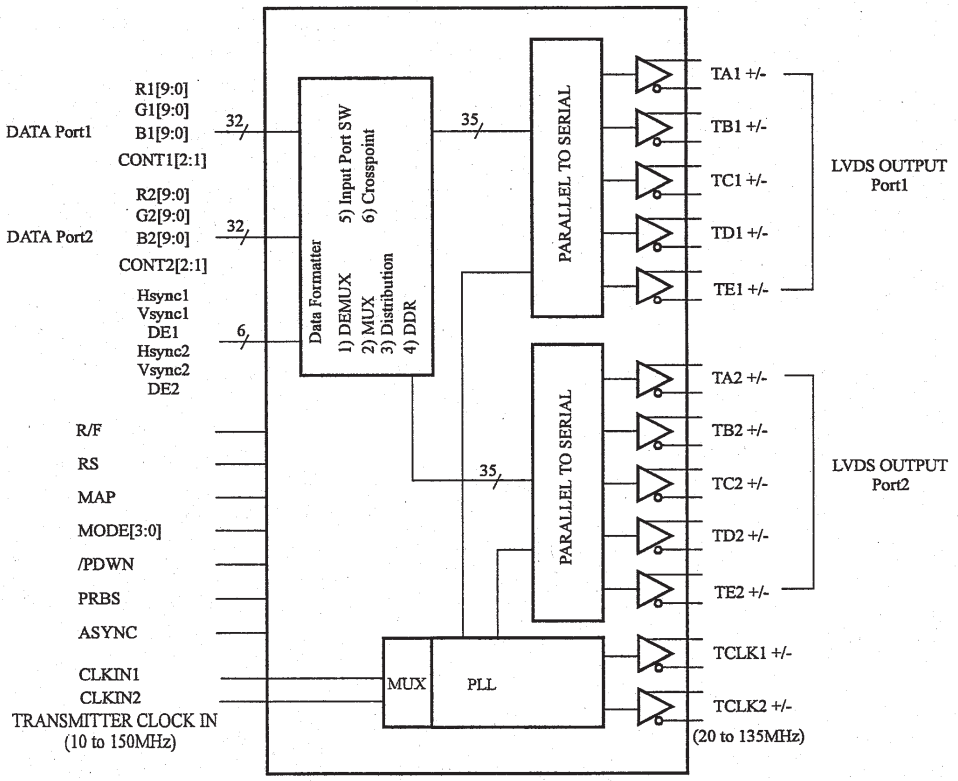
● NJM2671 <Motor Drive, IC5581>



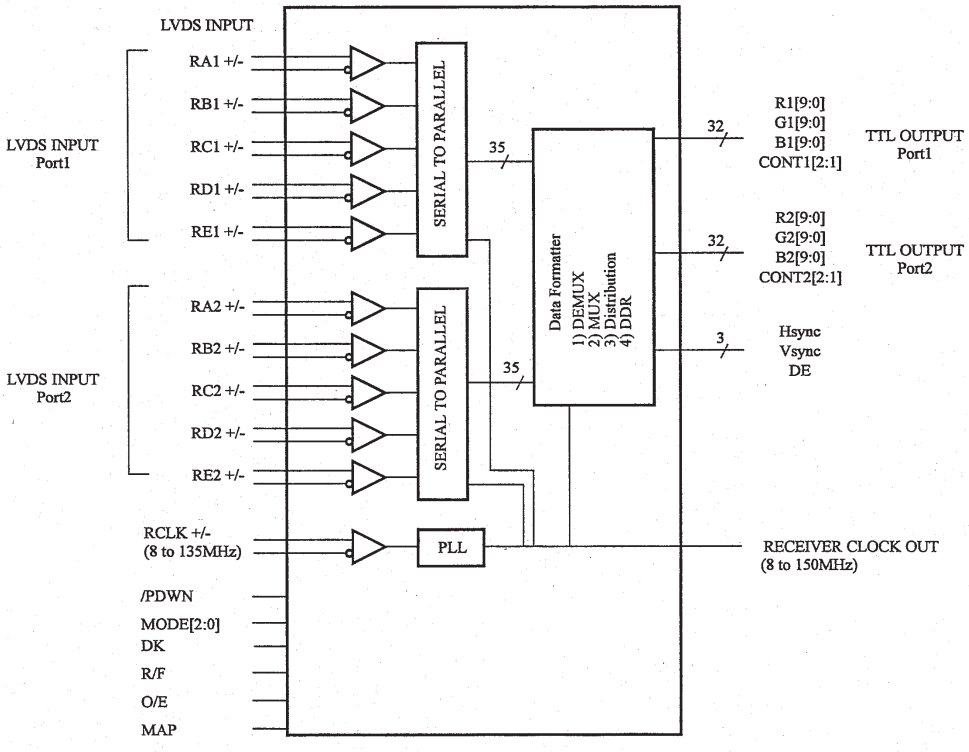
● PW610 <Keystone, IC2301>



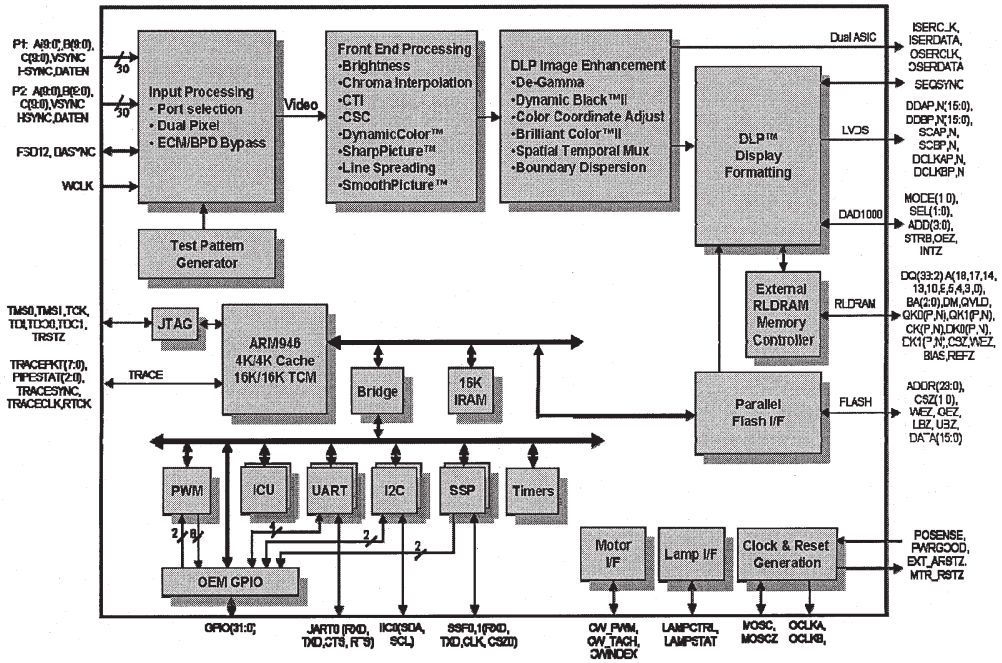
● THC63LVD1023B <LVDS Transmitter, IC7201>



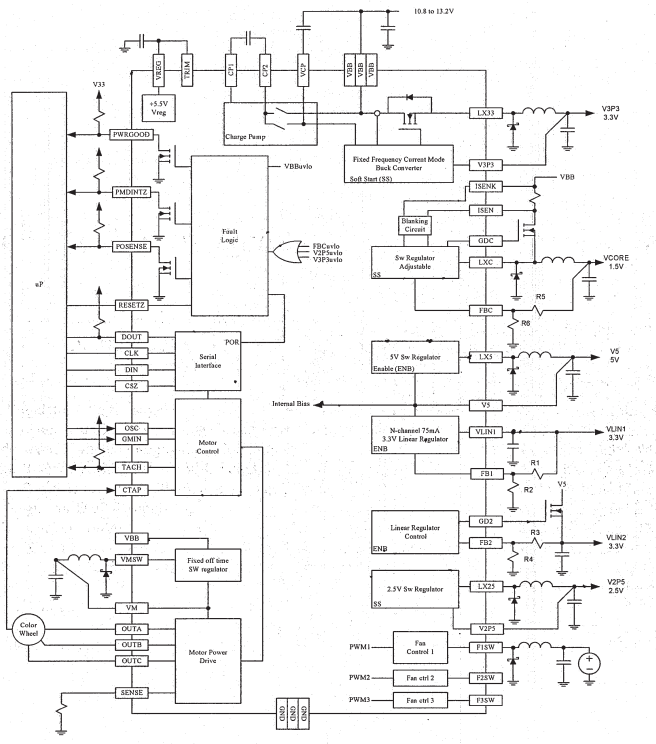
● THC63LVD1024 <LVDS Receiver, IC7601>



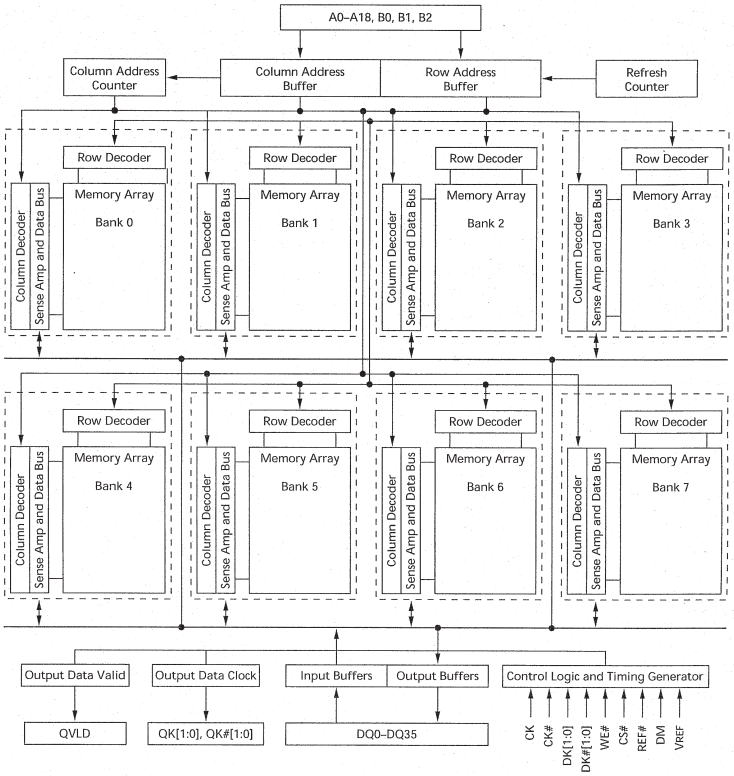
● 2506502 <DLP Data Processor, IC401,IC1401>



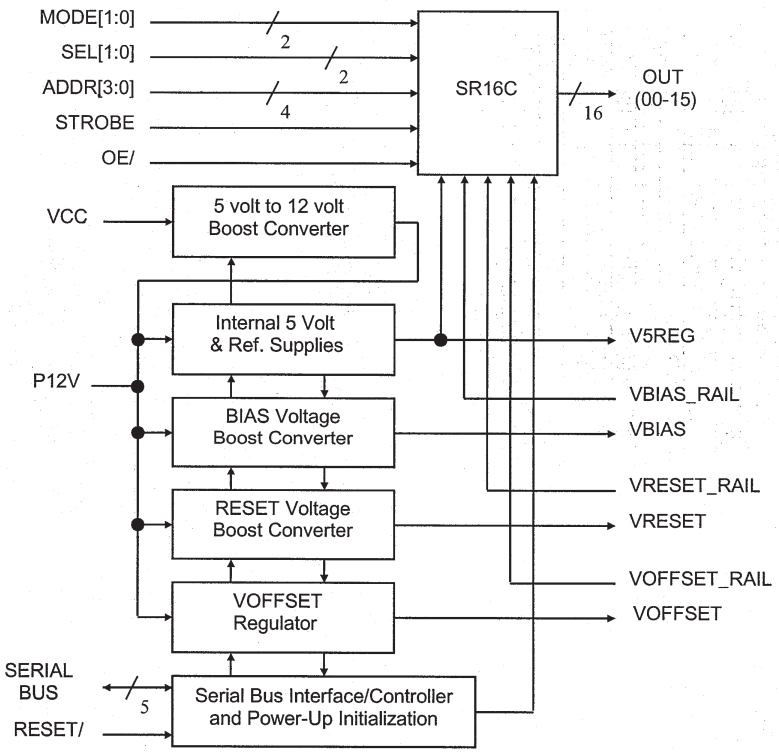
● 2506224 <Power&Motor Drive, IC2501,IC2551>



● MT49H8M36BM <RL DRAM, IC501>

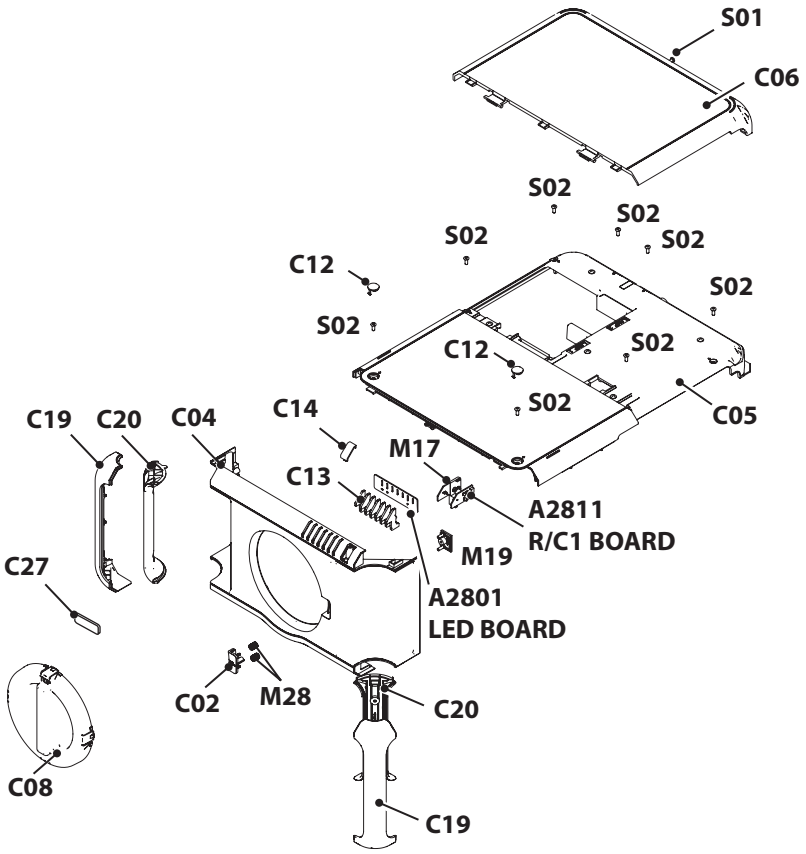


● 2503253 <DMD Driver, IC3501>

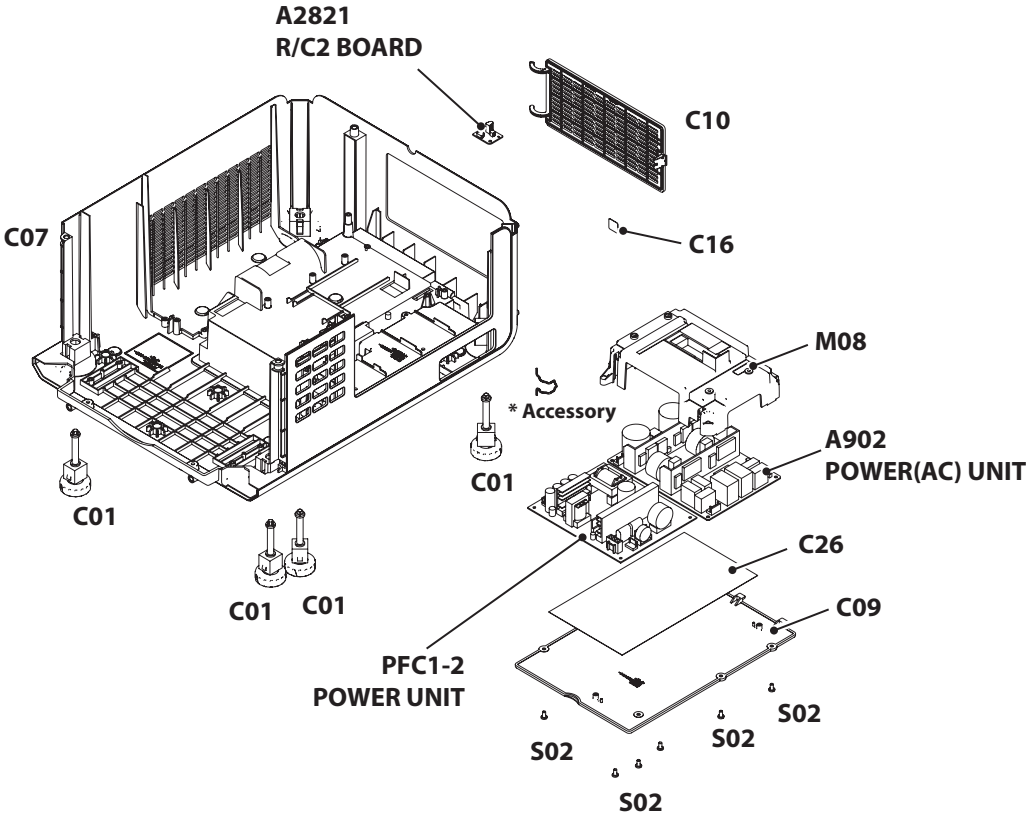


Parts Location Diagrams

Cabinet front and top assembly

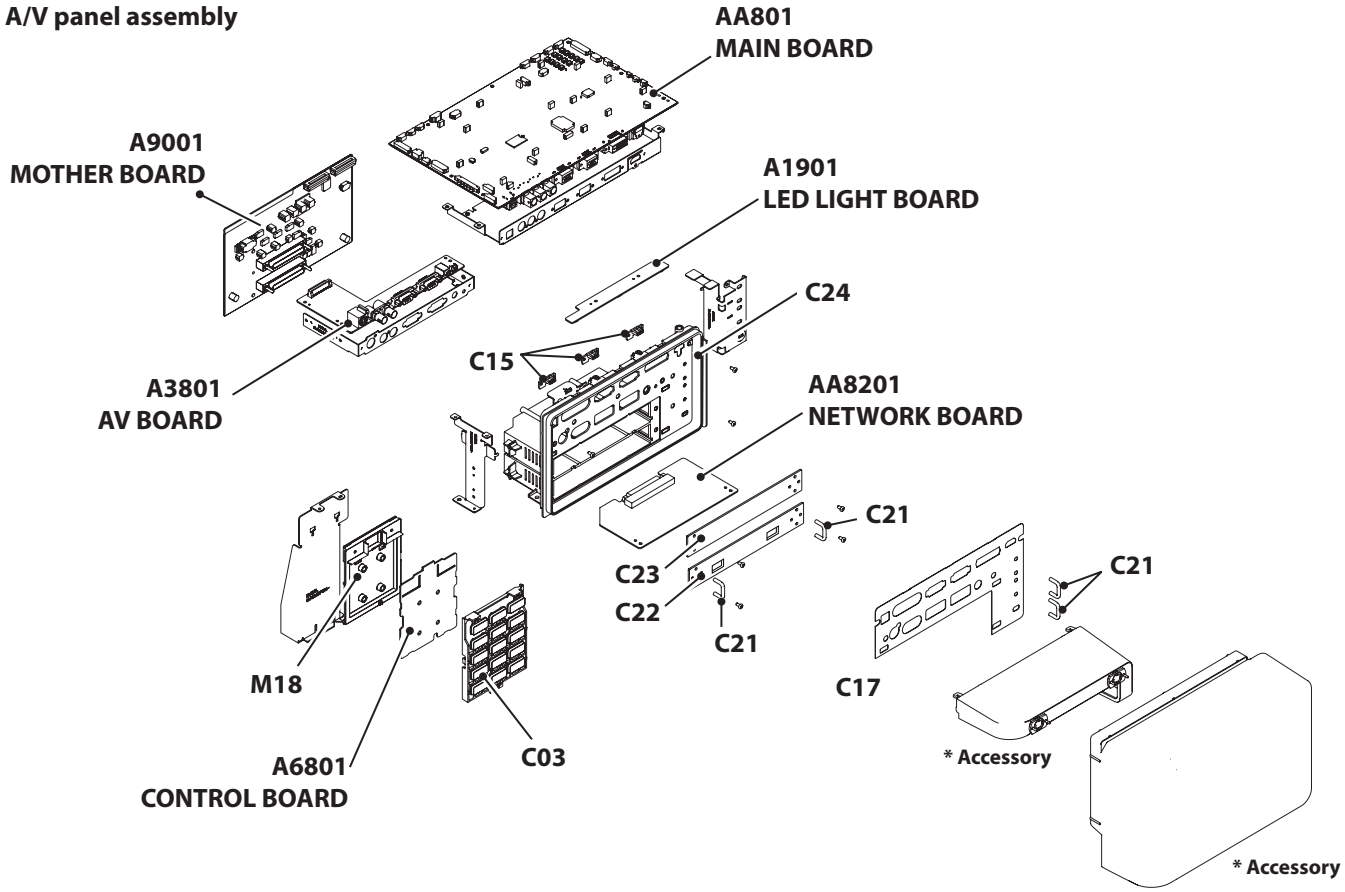


Cabinet bottom assembly

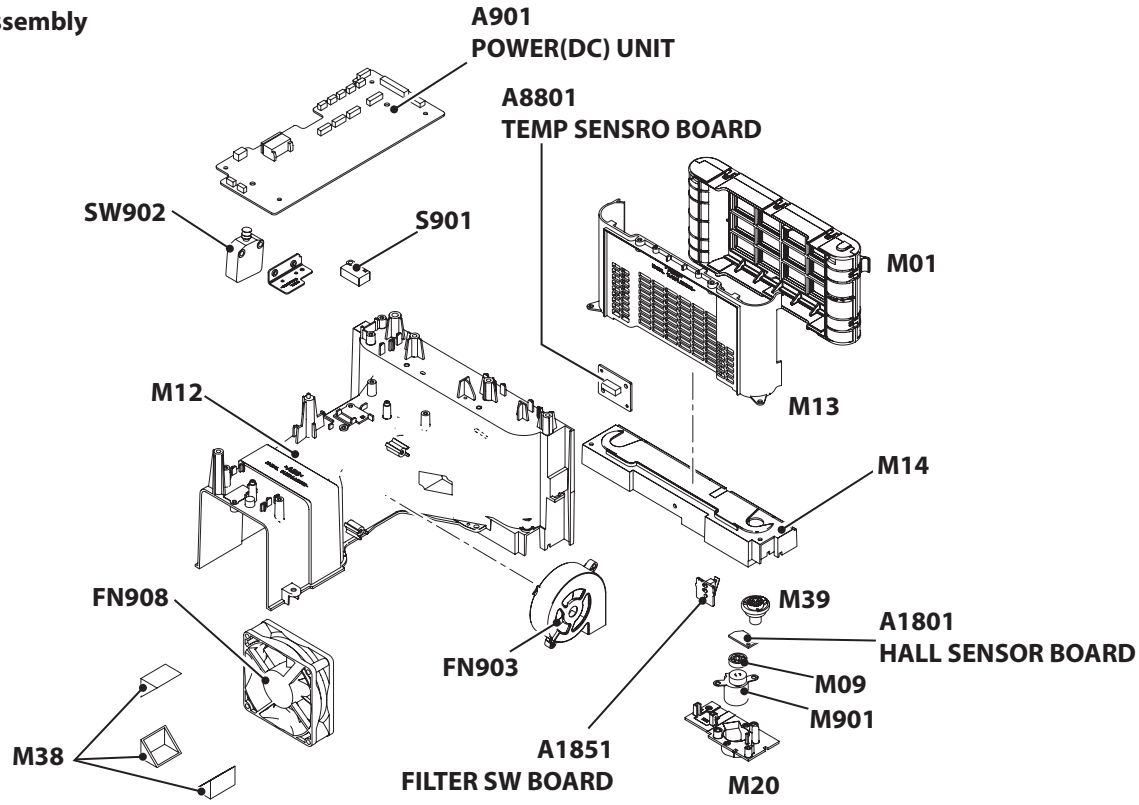


Parts Location Diagrams

A/V panel assembly

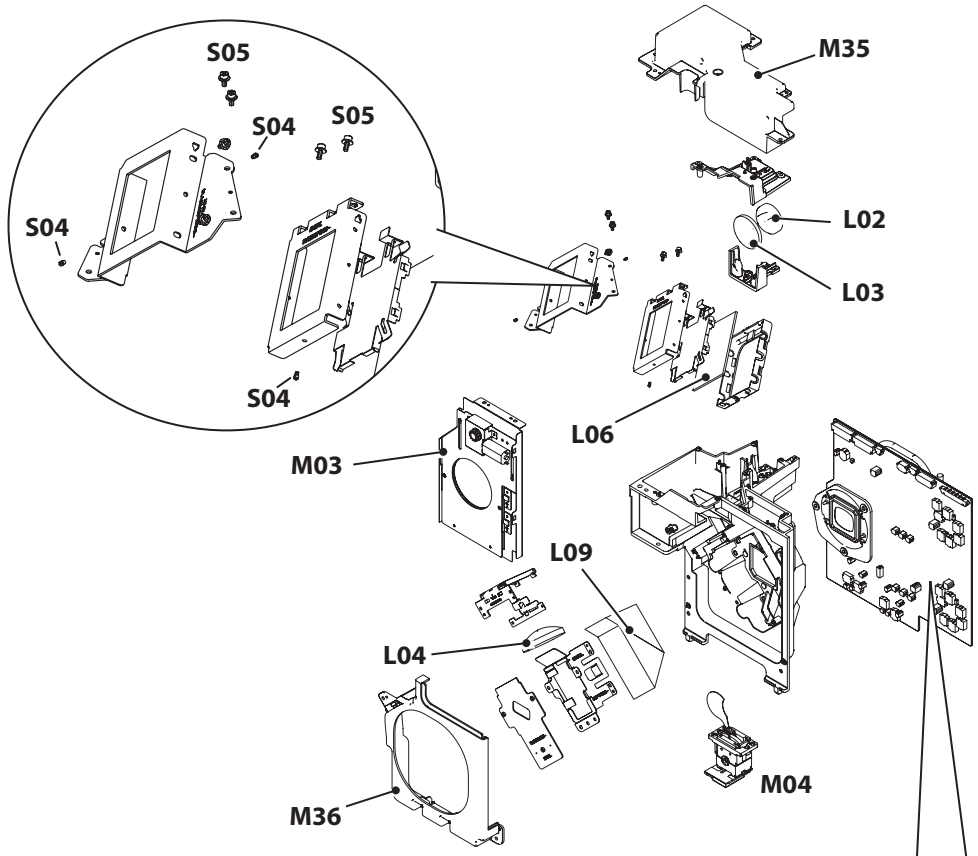


Filter and duct assembly

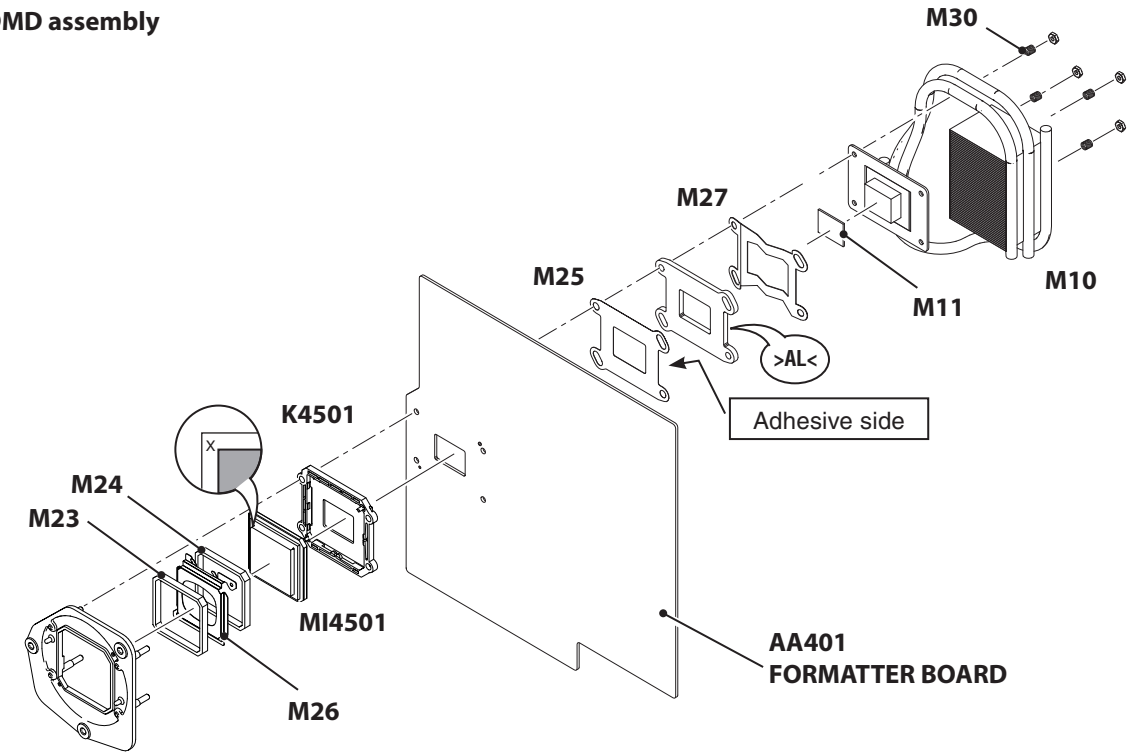


Parts Location Diagrams

Optical and formatter assembly



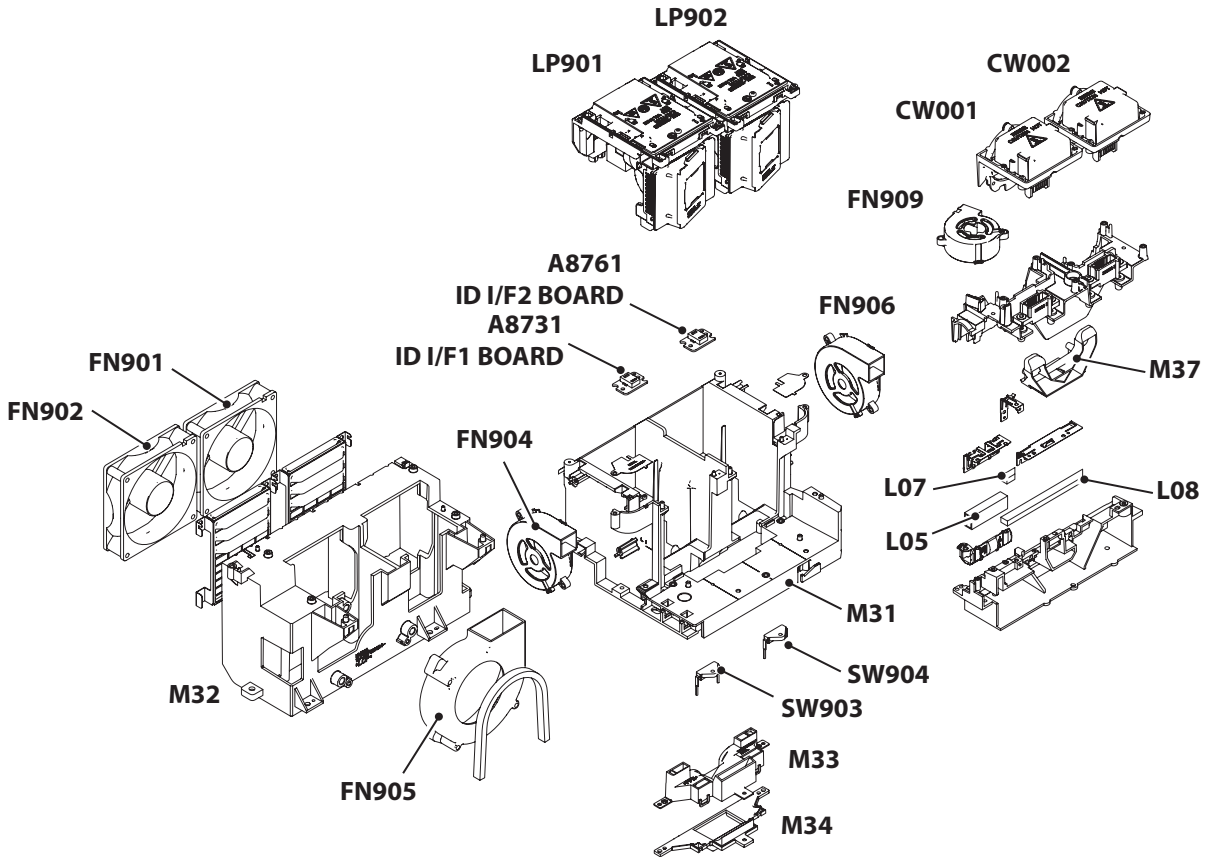
Formatter and DMD assembly



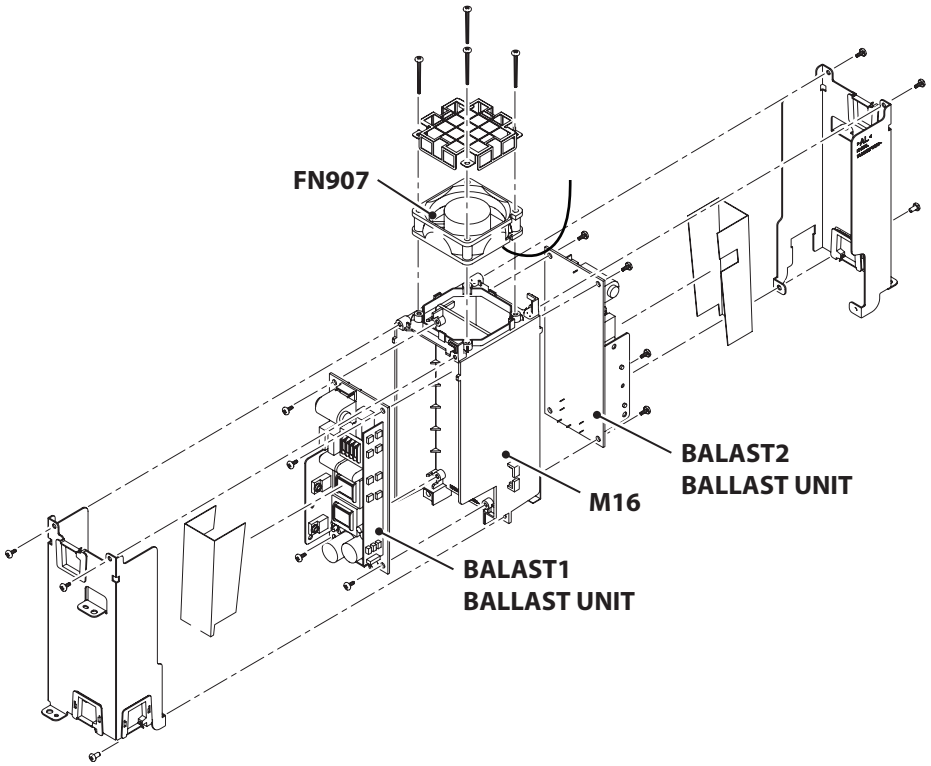
* Key No. M11 must be replaced with new one when MI4501 (DMD module) or M10 (Heatsink Pipe) is removed.

Parts Location Diagrams

Lamp and optical parts assembly

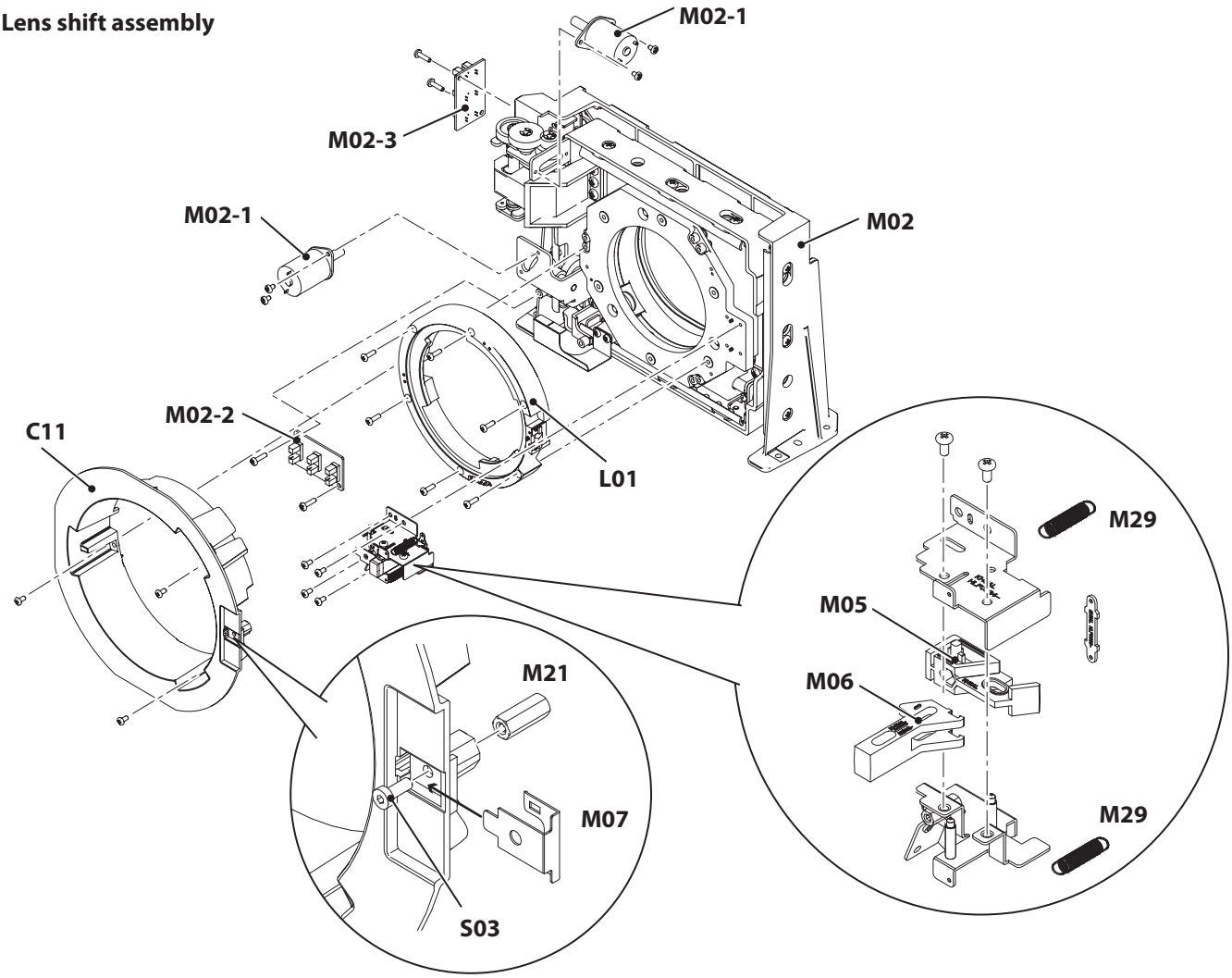


Lamp ballast box assembly

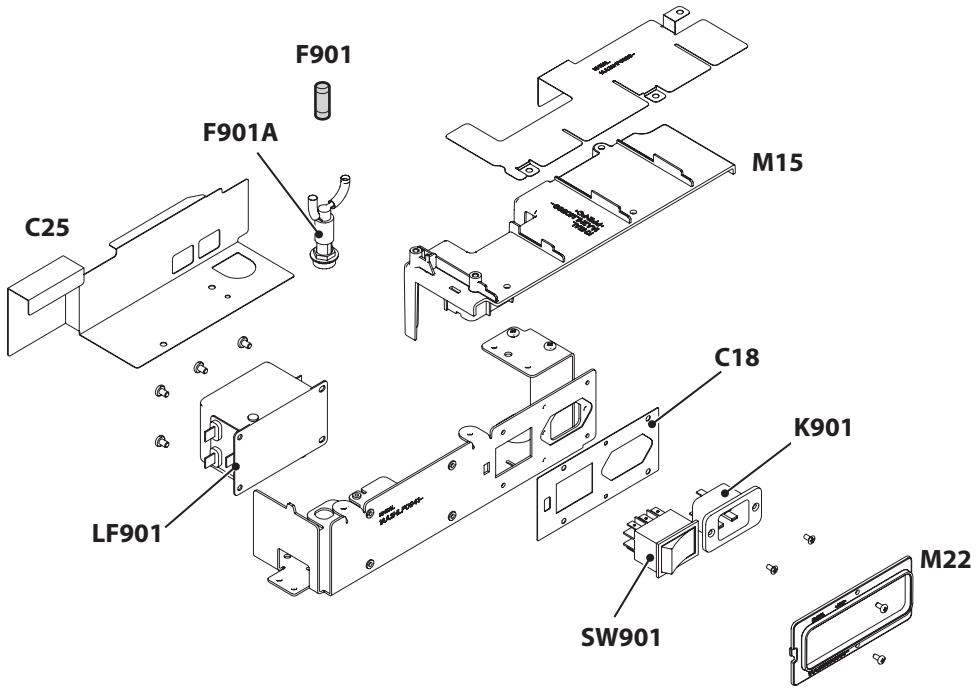


Parts Location Diagrams

Lens shift assembly



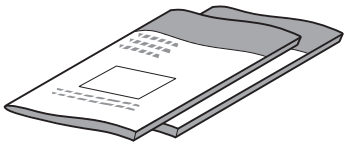
AC box assembly



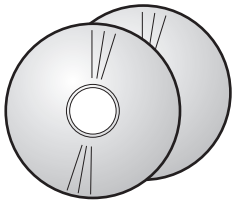
● Accessories (see accessories parts list)

REMOTE CONTROL

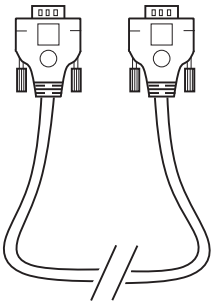
MANUALs



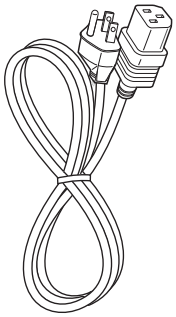
CD-ROMs



VGA CABLE

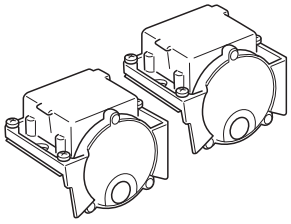


AC CORD

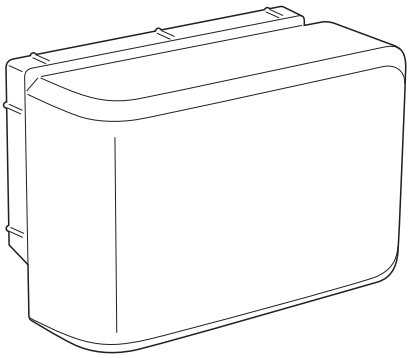


AC CORD HOLDER

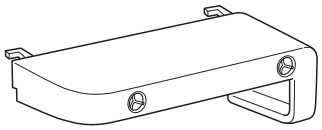
COLOR WHEELS



COMPLE, ACC COVER CODE

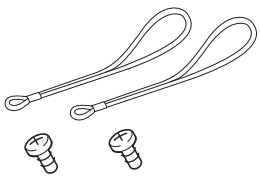


COMPLE, ACC COVER SUPPORT



Clamp Core

Straps



Mechanical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.

Key No.	Part No.	Description
PACKING MATERIALS		
	610 345 6751	CARTON CASE-KJ5KL
	610 344 8701	SPACER-KT5AL
	610 343 9105	CUSHION BTM-KH5AL
	610 343 9099	CUSHION TOP-KH5AL
ACCESSORIES		
OWNER'S MANUAL		
	910 319 5347	COLOR MANAGE INST-B-MM7A
	610 345 4894	SETUP INST MANUAL-KJ5KL
	610 345 5327	CD-ROM,OWNERS MANUAL-KJ5KL
	945 072 1121	CD-ROM (R.C. MANAGER)
REMOTE CONTROL		
	645 099 0212	ASSY,REMOCON MXAB
	610 342 0400	RC-BATTERY LID-CXZL
AC CORD HOLDER		
EU	610 342 7751	HOLDER AC CODE EU-LH5AL
US	610 342 7744	HOLDER AC CODE US-KH5AL
⚠ **AC CORD**		
EU	945 066 7160	CORD,POWER-3.0MK,EU
US	945 069 2902	CORD,POWER-3.0MK,US
COLOR WHEEL for COLOR		
CW1	610 345 6782	COMPL HOLD CW COLOR-KJ5AL
CW2	610 345 6782	COMPL HOLD CW COLOR-KJ5AL
MISCELLANEOUS		
	610 344 8763	COMPL,ACC COVER CODE-KHA5AL
	610 344 8770	COMPL,ACC COVER SUPORT-KHA5AL
	910 319 0588	STRAP COMP-MM7A
	945 073 4855	CABLE,INTERFACE VGA
	645 093 1642	CABLE,INTERFACE VGA
	945 050 8418	CORE,CLAMP
MECHANICAL PARTS		
CABINET PARTS		
C01	610 335 5092	COMPL,STAND LEG-KC3BL
C02	610 343 9679	BUTTON LNS-KT5KL
C03	610 343 6265	BUTTON CONTROL-KH5AL
C04	610 343 9761	CABINET FRONT-KT5KL
C05	610 343 9778	CABINET TOP-KT5KL
C06	610 346 2080	CABINET TOP COVER-KJ5KL
C07	610 343 9754	CABINET BOTTOM-KT5KL
C08	610 342 7799	COVER NON LNS-KH5AL
C09	610 343 9686	COVER BOTTOM-KT5KL
C10	610 343 9723	COVER FILTER-KT5KL
C11	610 343 6807	COVER LNS-KH5AL
C12	610 343 9082	COVER SCREW CAB TOP-KH5AL
C13	610 343 6272	DEC INLAY LED-KH5AL
C14	610 343 6289	DEC INLAY RC FRONT-KH5AL
C15	610 343 6296	DEC INLAY LED AV PNL-KH5AL
C16	610 342 5665	DEC SHEET RC REAR-KH7AL
C17	610 342 9564	DEC AV SHEET-KH5AL
C18	610 344 0484	DEC AC SHEET-KH5AL
C19	610 343 9709	HANDLE A-KT5KL
C20	610 343 9747	HANDLE B-KT5KL
C21	910 283 5855	KNOB-MJ6A
C22	910 300 6940	PANEL COMP A-IDFV
C23	610 345 4160	PANEL COMP A-KH5AL
C24	610 343 9730	PNL AV-KT5KL
C25	610 344 8459	SPACER AC SHEET US-KH5AL
C26	610 346 2325	SPACER COVER BTM-KH5AL
CHASSIS PARTS		
M01	610 334 3747	ASSY,BOX FILTER-KC3A
M02	610 342 6785	ASSY,HOLDER LNS A-KH5AL
M02-1	945 042 7344	ASSY,MOTOR(ML6A)
M02-2	645 099 7716	UNIT,LENS,SHIFT-X,KH5AL
M02-3	645 099 7723	UNIT,LENS,SHIFT-Y,KH5AL
M03	610 342 9335	COMPL,MOUNTING SHUTTER-KH5AL
M04	610 342 9342	COMPL,MOUNTING DB-KH5AL
M05	610 343 6357	ARM LNS LOCK X-KH5AL
M06	610 343 6364	ARM LNS LOCK Z-KH5AL
M07	610 344 4062	COVER SCREW LNS-KH5AL
M08	610 343 8405	COVER PFC PWB-KH5AL
M09	610 334 3549	GEAR MOTOR-KC3A
M10	610 346 1366	HEAT PIPE DMD-KJ5AL
M11	610 346 1373	HEAT SINK SHEET DMD-KJ5AL
M12	610 343 0669	HOLDER FILTER DUCT-KH5AL
M13	610 343 0676	HOLDER FILTER-KH5AL
M14	610 343 0690	HOLDER FILTER BASE-KH5AL
M15	610 343 6333	HOLDER AC BRKT-KH5AL
M16	610 343 6326	HOLDER BALLAST-KH5AL
M17	610 343 6371	HOLDER RC FRONT-KH5AL
M18	610 343 6388	HOLDER CONTROL-KH5AL
M19	610 343 6791	KNOB LNS KH5AL
M20	610 334 4300	MTG HLD SHAFT FIL-KC3A
M21	610 344 4284	SPACER NUT-KH5AL
M22	610 344 0354	SPACER AC BRKT-KH5AL
M23	610 343 9075	SPACER CUSHION DMD-KH5AL
M24	610 346 5173	SPACER CUSHION DMD B-KH5AL
M25	610 343 9204	SPACER KAPTON SHEET KH5AL
M26	610 343 7804	SHIELD DMD-KH5AL
M27	610 343 9020	SPRING SPACER DMD-KH5AL
M28	610 343 9037	SPRING BUTTON LNS-KH5AL
M29	610 343 9044	SPRING LNS LOCK-KH5AL
M30	610 346 1045	SPRING DMD-KH5AL
M31	610 343 5367	OPTICAL LMP COVER-KH5AL
M32	610 343 5602	OPTICAL LMP DUCT BOX-KH5AL
M33	610 343 5626	OPTICAL LMP DUCT A-KH5AL
M34	610 343 5619	OPTICAL LMP DUCT B-KH5AL
M35	610 343 8436	OPTICAL COVER TOP-KH5AL
M36	610 343 8443	OPTICAL COVER BTM-KH5AL
M37	610 345 6881	OPTICAL BASE ROD DUCT-KH5AL
M38	645 099 6955	HOLDER,FAN
M39	610 336 9921	COMP,HOLDER SHAFT FILTER-KC3A

* Key No. M11 (HEATSINK SHEET) must be replaced with new one when DMD module or M10 (Heatsink Pipe DMD) is removed.

SCREWS		
S01	312 069 6702	SPECIAL SCREW(BLACK)
S02	411 190 4301	SCR BIN 4X8
S03	411 189 9706	SCR PAN+FLG 3X8
S04	312 069 3909	SPECIAL SCREW V
S05	411 189 6507	BOLT HEX-SCT+SW+W 2.5X5
OPTICAL PARTS		
L01	645 099 3398	LENS,MOUNT

Key No.	Part No.	Description
L02	645 099 4449	LENS,RELAY(1)
L03	645 099 4456	LENS,RELAY(2)
L04	645 099 4463	LENS,RELAY(3)
L05	645 099 9055	MIRROR,TUNNEL
L06	645 099 4487	MIRROR,FOLDING
L07	645 099 9062	PRISM(ROD)-S
L08	645 099 9079	PRISM(ROD)-L
L09	645 099 4524	PRISM(TIR)
SERVICE PARTS		
	610 343 5596	CD-ROM,PJ SVC TOOL V420

Key No.	Part No.	Description

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

- 50V: Rated Voltage
- K: Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	M : ±20%	N : ±30%
P : +100-0%	Q : +30-10%	T : +50-10%
U : +75-10%	V : +20-10%	W : +100-10%
X : +40-20%	Y : +150-10%	Z : +80-20%

- 100P: Rated value: P=pico farad, U=micro farad
- CERAMIC: Material:

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Composite
STYRENE	Styrene
TA-SOLID	Tantalum Oxide Solid Electrolytic
AL-SOLID	Aluminium Solid Electrolytic
ELECT	Aluminum Foil Electrolytic
NP-ELECT	Non-polarised Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID	Polymerized Organic Semiconductive
DL-ELECT	Double Layered Electrolytic
PPS-FILM	Polyphenylene Sulfide Film
MT-PPS-FILM	Metalized Polyphenylene Sulfide Film
MT-PEN-FILM	Metalized Polyethylenenaphthalate Film
CAPACITOR	Other

RESISTOR CARBON 4.7K J A 1/4W

- 1/4W: Rated Wattage
- A: Performance Symbols:
  A: General B: Non flammable Z: Low noise
  Other: Temperature coefficient

T: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

- J: Tolerance Symbols:
  A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
  F: ±1% G: ±2% J: ±5% K: ±10%
  M: ±20% P: +5-15% Z: 0 ohm
- 4.7K: Rated value, ohms:
  K: 1,000, M: 1,000,000
- CARBON: Material:

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES.	Ceramic
FUSIBLE RES.	Fusible
RESISTOR	Other

Electrical Parts List

Key No.	Part No.	Description
ASSEMBLED BOARDS		
⚠ **AA8201**	**910 324 8098**	**ASSY,PWB,NETWORK IDRM**
⚠ **A3801**	**610 342 3173**	**ASSY,PWB,AV KH5AL**
⚠ **A8731**	**610 343 5541**	**ASSY,PWB,ID I/F1 KH5AL**
⚠ **A8761**	**610 343 5558**	**ASSY,PWB,ID I/F2 KH5AL**
⚠ **A1801**	**610 343 5480**	**ASSY,PWB,HALL SENSOR KH5AL**
⚠ **A1851**	**610 343 5497**	**ASSY,PWB,FILTER SW KH5AL**
⚠ **A8801**	**610 345 2746**	**ASSY,PWB,TEMP SENSOR KH5AL**
⚠ **A9001**	**610 346 4329**	**ASSY,PWB,MOTHER KJ5AL**
⚠ **A6801**	**610 342 3418**	**ASSY,PWB,CONTROL KH5AL**
⚠ **A2801**	**610 342 3425**	**ASSY,PWB,LED KH5AL**
⚠ **A2811**	**610 342 3432**	**ASSY,PWB,R/C1 KH5AL**
⚠ **A2821**	**610 342 3449**	**ASSY,PWB,R/C2 KH5AL**
⚠ **A1901**	**610 342 3487**	**ASSY,PWB,LED LIGHT KH5AL**
⚠ **AA401**	**610 344 3911**	**ASSY,PWB,FORMATTER KJ5AL**
⚠ **AA801**	**610 345 6829**	**ASSY,PWB,MAIN KJ5AL**
OUT OF CIRCUIT BOARD		
⚠ LF901	945 054 3228	UNIT,NOISE FILTER
⚠ LP901	610 343 5336	COMPL,OPTICAL LMP-KH5AL
⚠ LP902	610 343 5336	COMPL,OPTICAL LMP-KH5AL
⚠ A901	645 098 7656	UNIT,POWER(DC)
⚠ A902	645 098 7663	UNIT,POWER(AC)
⚠ BALAST1	645 100 0484	UNIT,BALLAST
⚠ BALAST2	645 100 0484	UNIT,BALLAST
CW001	610 345 6775	COMPL HOLD CW BRIGHT-KJ5AL
CW002	610 345 6775	COMPL HOLD CW BRIGHT-KJ5AL
⚠ F901	323 028 4202	FUSE 300V 15A
F901A	645 089 9355	HOLDER,FUSE
⚠ FN901	645 099 5002	MOTOR,FAN DC ***W
⚠ FN902	645 099 4999	MOTOR,FAN DC ***W
⚠ FN903	645 099 5040	MOTOR,BLW DC 3.0W
⚠ FN904	645 099 5057	MOTOR,BLW DC 3.0W
⚠ FN905	645 099 4982	MOTOR,BLW DC 10.8W
⚠ FN906	645 099 5033	MOTOR,BLW DC 3.0W
⚠ FN907	645 099 8843	MOTOR,FAN DC 1.68W
⚠ FN908	645 099 6580	MOTOR,FAN DC ***W
⚠ FN909	645 099 5217	MOTOR,BLW DC 1.92W
K10A1	312 067 3604	SPECIAL SCREW
K10A2	312 067 3604	SPECIAL SCREW
K10B1	312 067 3604	SPECIAL SCREW
K10B2	312 067 3604	SPECIAL SCREW
K10C1	312 067 3604	SPECIAL SCREW
K10C2	312 067 3604	SPECIAL SCREW
K21B1	312 067 3604	SPECIAL SCREW
K21B2	312 067 3604	SPECIAL SCREW
K21C1	312 067 3604	SPECIAL SCREW
K21C2	312 067 3604	SPECIAL SCREW
⚠ K901	945 040 7599	SOCKET,INLET AC 3P
M901	645 093 2571	MOTOR,DC 12V
MI4501	610 346 1946	SERVICE DMD -KJ5AL
⚠ PFC1-2	645 100 3232	UNIT,POWER
S901	645 093 2533	UNIT,WIND VELOCITY SENSOR
⚠ SW901	945 086 6471	SWITCH,POWER 4P-2TX2
⚠ SW902	945 076 8164	SWITCH,PUSH 1P-2TX1
⚠ SW903	645 099 9116	SWITCH,REED
⚠ SW904	645 099 9116	SWITCH,REED
W7C3	610 342 6525	CABLE,BALLAST KH5AL
W7C4	610 342 6525	CABLE,BALLAST KH5AL

Key No.	Part No.	Description
Z10L&40A	610 343 8474	51P LVDS CORD
Z40C&CW	610 343 8498	CORD 12P CW DR12-2S-12
Z40E&CW	610 343 8481	CORD 12P CW DR12-2S-13

AA8201 910 324 8098 ASSY,PWB,NETWORK IDRM

MISCELLANEOUS

B8341	945 052 2476	BATTERY,LITHIUM

A3801 610 342 3173 ASSY,PWB,AV KH5AL

INTEGRATED CIRCUIT

IC3001	309 334 0137	IC TC7W125FU
IC3851	309 652 0714	IC HIN202EIBNZ-T
IC3861	309 400 9112	IC TC7SET08FU-(TE85L)
IC3862	410 643 5100	IC PQ070XNB1ZPH

CAPACITOR

C2018	303 298 9612	CERAMIC	0.1U K	16V
C3001	303 298 9612	CERAMIC	0.1U K	16V
C3801	303 298 9612	CERAMIC	0.1U K	16V
C3851	303 358 8319	CERAMIC	1U K	10V
C3852	303 358 8319	CERAMIC	1U K	10V
C3853	303 358 8319	CERAMIC	1U K	10V
C3854	303 358 8319	CERAMIC	1U K	10V
C3856	303 391 5313	ELECT	47U M	6.3V
C3857	303 358 8319	CERAMIC	1U K	10V
C3858	303 358 8319	CERAMIC	1U K	10V
C3861	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C3862	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3864	303 358 8319	CERAMIC	1U K	10V
C4061	303 298 9612	CERAMIC	0.1U K	16V

RESISTOR

R2013	301 258 2611	MT-GLAZE	150 FA	1/10W
R2014	301 258 2611	MT-GLAZE	150 FA	1/10W
R2016	301 258 2611	MT-GLAZE	150 FA	1/10W
R2017	301 258 2611	MT-GLAZE	150 FA	1/10W
R2018	301 255 6513	MT-GLAZE	100 JA	1/10W
R3003	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R3801	301 255 6513	MT-GLAZE	100 JA	1/10W
R3802	301 256 0114	MT-GLAZE	8.2K JA	1/10W
R3803	301 150 5918	MT-GLAZE	10K JA	1/10W
R3804	301 150 5918	MT-GLAZE	10K JA	1/10W
R3806	301 152 3219	MT-GLAZE	330 JA	1/10W
R3851	301 255 6513	MT-GLAZE	100 JA	1/10W
R3852	301 255 6513	MT-GLAZE	100 JA	1/10W
R3853	301 255 6513	MT-GLAZE	100 JA	1/10W
R3854	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R3856	301 255 6513	MT-GLAZE	100 JA	1/10W
R3857	301 255 6513	MT-GLAZE	100 JA	1/10W
R3858	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R3861	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R3862	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R3863	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R3864	301 264 1813	MT-GLAZE	1K FA	1/10W
R3866	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R3867	301 150 5918	MT-GLAZE	10K JA	1/10W
R4061	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R4062	301 150 6212	MT-GLAZE	1K JA	1/10W
R4063	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R4064	301 255 6513	MT-GLAZE	100 JA	1/10W
R9601	301 162 2219	MT-GLAZE	10 JA	1/10W

Key No.	Part No.	Description		
R9602	301 162 2219	MT-GLAZE	10 JA	1/10W
R9603	301 162 2219	MT-GLAZE	10 JA	1/10W
R9604	301 162 2219	MT-GLAZE	10 JA	1/10W
R9606	301 162 2219	MT-GLAZE	10 JA	1/10W
R9607	301 162 2219	MT-GLAZE	10 JA	1/10W
R9608	301 162 2219	MT-GLAZE	10 JA	1/10W
COIL				
L2013	945 086 7461	FILTER,EMI 100MHZ		
L2016	945 086 7461	FILTER,EMI 100MHZ		
L2018	945 086 7461	FILTER,EMI 100MHZ		
L2019	945 086 6037	IMPEDANCE,330 OHM P		
L3001	945 086 7560	FILTER,EMI 200MHZ		
L3002	945 086 7560	FILTER,EMI 200MHZ		
L3801	945 014 2650	FILTER,EMI 10MHZ		
L3802	945 014 2650	FILTER,EMI 10MHZ		
L3851	945 014 2650	FILTER,EMI 10MHZ		
L3852	945 014 2650	FILTER,EMI 10MHZ		
DIODE				
D2018	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)		
D3801	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3		
D3861	307 163 0414	DIODE 1SS352-(TPH3)		
MISCELLANEOUS				
IC3801	407 265 7813	PC TLP781F(D4-GB-TP7)		
K20A	945 040 9968	SOCKET,DIN 4P		
K21B	945 053 4936	PLUG,D-SUB 9P		
K21C	945 053 4936	PLUG,D-SUB 9P		
K21D	645 098 7731	SOCKET,BNC 2P		
K38D	945 006 4792	JACK,PHONE D3.6		
SC2013	945 076 3503	SURGE-ABSORBER		
SC2016	945 076 3503	SURGE-ABSORBER		
SC3001	945 076 3503	SURGE-ABSORBER		
SC3002	945 076 3503	SURGE-ABSORBER		
SC3801	945 076 3503	SURGE-ABSORBER		
SC3802	945 076 3503	SURGE-ABSORBER		
SC3803	945 076 3503	SURGE-ABSORBER		
SC3851	945 076 3503	SURGE-ABSORBER		
SC3852	945 076 3503	SURGE-ABSORBER		
SC3853	945 076 3503	SURGE-ABSORBER		
SC3854	945 076 3503	SURGE-ABSORBER		
SC4061	945 076 3503	SURGE-ABSORBER		
A8731	**610 343 5541**	**ASSY,PWB,ID I/F1 KH5AL**		
RESISTOR				
R8725	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8726	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8727	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8728	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8729	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
A8761	**610 343 5558**	**ASSY,PWB,ID I/F2 KH5AL**		
R8745	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8746	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8747	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8748	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8749	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
A1801	**610 343 5480**	**ASSY,PWB,HALL SENSOR KH5AL**		

Key No.	Part No.	Description		
CAPACITOR				
C1801	303 298 9612	CERAMIC	0.1U K	16V
RESISTOR				
R1898	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1899	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
A1851	**610 343 5497**	**ASSY,PWB,FILTER SW KH5AL**		
MISCELLANEOUS				
SW1891	945 063 5176	SWITCH,PUSH 2P-2TX3		
A8801	**610 345 2746**	**ASSY,PWB,TEMP SENSOR KH5AL**		
CAPACITOR				
C8811	303 298 9612	CERAMIC	0.1U K	16V
C8812	303 391 5511	ELECT	10U M	16V
RESISTOR				
R8812	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8813	301 326 1713	MT-GLAZE	10K DA	1/10W
R8816	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R8817	301 255 6513	MT-GLAZE	100 JA	1/10W
R8818	301 255 6513	MT-GLAZE	100 JA	1/10W
A9001	**610 346 4329**	**ASSY,PWB,MOTHER KJ5AL**		
INTEGRATED CIRCUIT				
IC9031	309 462 6012	IC AD8185ARUZ-REEL7		
IC9051	310 456 7905	IC TC74VHC244FT		
IC9052	309 489 5012	IC TC74VCX04FT		
IC9151	309 444 8713	IC ICS1523MLFT		
IC9152	309 439 8919	IC TC7WH125FU		
IC9171	310 362 6504	IC TC74LCX541FT		
IC9501	410 643 5100	IC PQ070XNB1ZPH		
IC9511	410 643 5100	IC PQ070XNB1ZPH		
IC9521	410 643 5100	IC PQ070XNB1ZPH		
IC9531	410 643 5100	IC PQ070XNB1ZPH		
IC9541	410 643 5100	IC PQ070XNB1ZPH		
IC9551	309 461 7822	IC PQ20WZ11		
IC9561	410 643 5100	IC PQ070XNB1ZPH		
IC9571	309 461 7822	IC PQ20WZ11		
CAPACITOR				
C9001	303 298 9612	CERAMIC	0.1U K	16V
C9002	303 298 9612	CERAMIC	0.1U K	16V
C9003	303 298 9612	CERAMIC	0.1U K	16V
C9004	303 298 9612	CERAMIC	0.1U K	16V
C9005	303 298 9612	CERAMIC	0.1U K	16V
C9006	303 298 9612	CERAMIC	0.1U K	16V
C9007	303 298 9612	CERAMIC	0.1U K	16V
C9008	303 298 9612	CERAMIC	0.1U K	16V
C9009	303 298 9612	CERAMIC	0.1U K	16V
C9011	303 298 9612	CERAMIC	0.1U K	16V
C9012	303 298 9612	CERAMIC	0.1U K	16V
C9013	303 298 9612	CERAMIC	0.1U K	16V
C9014	303 298 9612	CERAMIC	0.1U K	16V
C9015	303 298 9612	CERAMIC	0.1U K	16V
C9016	303 298 9612	CERAMIC	0.1U K	16V
C9017	303 298 9612	CERAMIC	0.1U K	16V
C9018	303 298 9612	CERAMIC	0.1U K	16V
C9019	303 298 9612	CERAMIC	0.1U K	16V
C9021	303 298 9612	CERAMIC	0.1U K	16V
C9022	303 298 9612	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C9023	303 298 9612	CERAMIC	0.1U K	16V
C9024	303 298 9612	CERAMIC	0.1U K	16V
C9025	303 298 9612	CERAMIC	0.1U K	16V
C9026	303 298 9612	CERAMIC	0.1U K	16V
C9027	303 298 9612	CERAMIC	0.1U K	16V
C9028	303 298 9612	CERAMIC	0.1U K	16V
C9029	303 298 9612	CERAMIC	0.1U K	16V
C9031	303 397 6512	ELECT	47U M	16V
C9032	303 298 9612	CERAMIC	0.1U K	16V
C9033	303 298 9612	CERAMIC	0.1U K	16V
C9034	303 298 9612	CERAMIC	0.1U K	16V
C9035	303 351 0617	POS-SOLID	100U M	10V
C9036	303 298 9612	CERAMIC	0.1U K	16V
C9037	303 298 9612	CERAMIC	0.1U K	16V
C9038	303 298 9612	CERAMIC	0.1U K	16V
C9039	303 351 0617	POS-SOLID	100U M	10V
C9041	303 397 6512	ELECT	47U M	16V
C9042	303 298 9612	CERAMIC	0.1U K	16V
C9043	303 298 9612	CERAMIC	0.1U K	16V
C9044	303 298 9612	CERAMIC	0.1U K	16V
C9051	303 298 9612	CERAMIC	0.1U K	16V
C9052	303 298 9612	CERAMIC	0.1U K	16V
C9091	303 381 9918	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C9092	303 381 9918	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C9093	303 381 9918	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C9094	303 381 9918	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C9141	303 298 9612	CERAMIC	0.1U K	16V
C9142	303 298 9612	CERAMIC	0.1U K	16V
C9143	303 298 9612	CERAMIC	0.1U K	16V
C9151	303 298 9612	CERAMIC	0.1U K	16V
C9152	303 298 9612	CERAMIC	0.1U K	16V
C9153	303 157 7315	CERAMIC	6800P K	50V
C9154	303 155 1612	CERAMIC	33P J	50V
C9155	303 347 5510	POS-SOLID	470U M	4V
C9156	303 298 9612	CERAMIC	0.1U K	16V
C9157	303 298 9612	CERAMIC	0.1U K	16V
C9158	303 298 9612	CERAMIC	0.1U K	16V
C9159	303 298 9612	CERAMIC	0.1U K	16V
C9161	303 347 5510	POS-SOLID	470U M	4V
C9171	303 298 9612	CERAMIC	0.1U K	16V
C9191	303 298 9612	CERAMIC	0.1U K	16V
C9501	303 358 8319	CERAMIC	1U K	10V
C9506	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C9507	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C9511	303 358 8319	CERAMIC	1U K	10V
C9516	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C9517	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C9521	303 358 8319	CERAMIC	1U K	10V
C9526	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C9527	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C9531	303 358 8319	CERAMIC	1U K	10V
C9536	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C9537	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C9541	303 358 8319	CERAMIC	1U K	10V
C9546	303 358 3215	CERAMIC	10U K	6.3V

Key No.	Part No.	Description		
	303 368 7319	CERAMIC	10U K	6.3V
C9547	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C9551	303 397 6512	ELECT	47U M	16V
C9552	303 298 9612	CERAMIC	0.1U K	16V
C9553	303 397 6512	ELECT	47U M	16V
C9561	303 358 8319	CERAMIC	1U K	10V
C9566	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C9567	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C9571	303 397 6512	ELECT	47U M	16V
C9572	303 298 9612	CERAMIC	0.1U K	16V
C9573	303 397 6512	ELECT	47U M	16V
RESISTOR				
R9001	301 255 8715	MT-GLAZE	22 JA	1/10W
R9002	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9004	301 255 8715	MT-GLAZE	22 JA	1/10W
R9005	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9007	301 162 2219	MT-GLAZE	10 JA	1/10W
R9008	301 162 2219	MT-GLAZE	10 JA	1/10W
R9009	301 162 2219	MT-GLAZE	10 JA	1/10W
R9011	301 255 6513	MT-GLAZE	100 JA	1/10W
R9012	301 255 6513	MT-GLAZE	100 JA	1/10W
R9013	301 255 6513	MT-GLAZE	100 JA	1/10W
R9014	301 255 6513	MT-GLAZE	100 JA	1/10W
R9016	301 255 6513	MT-GLAZE	100 JA	1/10W
R9017	301 255 6513	MT-GLAZE	100 JA	1/10W
R9018	301 255 6513	MT-GLAZE	100 JA	1/10W
R9019	301 255 6513	MT-GLAZE	100 JA	1/10W
R9021	301 255 6513	MT-GLAZE	100 JA	1/10W
R9022	301 255 6513	MT-GLAZE	100 JA	1/10W
R9023	301 255 6513	MT-GLAZE	100 JA	1/10W
R9024	301 255 6513	MT-GLAZE	100 JA	1/10W
R9026	301 256 7410	MT-GLAZE	39 JA	1/10W
R9031	301 256 7410	MT-GLAZE	39 JA	1/10W
R9032	301 265 4912	MT-GLAZE	75 FA	1/10W
R9033	301 256 7410	MT-GLAZE	39 JA	1/10W
R9034	301 265 4912	MT-GLAZE	75 FA	1/10W
R9035	301 256 7410	MT-GLAZE	39 JA	1/10W
R9036	301 265 4912	MT-GLAZE	75 FA	1/10W
R9038	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R9039	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R9041	301 256 7410	MT-GLAZE	39 JA	1/10W
R9042	301 265 4912	MT-GLAZE	75 FA	1/10W
R9043	301 256 7410	MT-GLAZE	39 JA	1/10W
R9044	301 265 4912	MT-GLAZE	75 FA	1/10W
R9045	301 256 7410	MT-GLAZE	39 JA	1/10W
R9046	301 265 4912	MT-GLAZE	75 FA	1/10W
R9047	301 265 4912	MT-GLAZE	75 FA	1/10W
R9048	301 265 4912	MT-GLAZE	75 FA	1/10W
R9049	301 265 4912	MT-GLAZE	75 FA	1/10W
R9051	301 255 6513	MT-GLAZE	100 JA	1/10W
R9052	301 255 6513	MT-GLAZE	100 JA	1/10W
R9053	301 255 6513	MT-GLAZE	100 JA	1/10W
R9054	301 255 6513	MT-GLAZE	100 JA	1/10W
R9056	301 255 6513	MT-GLAZE	100 JA	1/10W
R9057	301 255 6513	MT-GLAZE	100 JA	1/10W
R9058	301 255 6513	MT-GLAZE	100 JA	1/10W
R9059	301 255 6513	MT-GLAZE	100 JA	1/10W
R9061	301 255 6513	MT-GLAZE	100 JA	1/10W
R9062	301 255 6513	MT-GLAZE	100 JA	1/10W
R9063	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9064	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9066	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9067	301 150 6014	MT-GLAZE	0.000 ZA	1/10W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R9068	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9173	301 255 6513	MT-GLAZE	100 JA	1/10W
R9069	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9174	301 255 6513	MT-GLAZE	100 JA	1/10W
R9073	301 150 6212	MT-GLAZE	1K JA	1/10W	R9175	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9074	301 162 2219	MT-GLAZE	10 JA	1/10W	R9176	301 255 6513	MT-GLAZE	100 JA	1/10W
R9075	301 150 6212	MT-GLAZE	1K JA	1/10W	R9177	301 255 6513	MT-GLAZE	100 JA	1/10W
R9076	301 150 6212	MT-GLAZE	1K JA	1/10W	R9178	301 255 6513	MT-GLAZE	100 JA	1/10W
R9077	301 150 6212	MT-GLAZE	1K JA	1/10W	R9179	301 255 6513	MT-GLAZE	100 JA	1/10W
R9078	301 150 6212	MT-GLAZE	1K JA	1/10W	R9181	301 255 6513	MT-GLAZE	100 JA	1/10W
R9079	301 162 2219	MT-GLAZE	10 JA	1/10W	R9182	301 255 6513	MT-GLAZE	100 JA	1/10W
R9081	301 162 2219	MT-GLAZE	10 JA	1/10W	R9183	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9082	301 162 2219	MT-GLAZE	10 JA	1/10W	R9184	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9083	301 162 2219	MT-GLAZE	10 JA	1/10W	R9185	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9084	301 162 2219	MT-GLAZE	10 JA	1/10W	R9186	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9086	301 162 2219	MT-GLAZE	10 JA	1/10W	R9187	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9087	301 162 2219	MT-GLAZE	10 JA	1/10W	R9188	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9088	301 162 2219	MT-GLAZE	10 JA	1/10W	R9189	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9089	301 162 2219	MT-GLAZE	10 JA	1/10W	R9191	301 256 4112	MT-GLAZE	56 JA	1/10W
R9091	301 162 2219	MT-GLAZE	10 JA	1/10W	R9192	301 256 4112	MT-GLAZE	56 JA	1/10W
R9092	301 162 2219	MT-GLAZE	10 JA	1/10W	R9193	301 256 4112	MT-GLAZE	56 JA	1/10W
R9093	301 162 2219	MT-GLAZE	10 JA	1/10W	R9194	301 256 4112	MT-GLAZE	56 JA	1/10W
R9094	301 162 2219	MT-GLAZE	10 JA	1/10W	R9196	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9096	301 162 2219	MT-GLAZE	10 JA	1/10W	R9197	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9097	301 162 2219	MT-GLAZE	10 JA	1/10W	R9198	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9098	301 162 2219	MT-GLAZE	10 JA	1/10W	R9199	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R9099	301 162 2219	MT-GLAZE	10 JA	1/10W	R9501	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9101	301 150 6212	MT-GLAZE	1K JA	1/10W	R9502	301 150 5918	MT-GLAZE	10K JA	1/10W
R9102	301 150 6212	MT-GLAZE	1K JA	1/10W	R9506	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9103	301 150 6212	MT-GLAZE	1K JA	1/10W	R9507	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9104	301 150 6212	MT-GLAZE	1K JA	1/10W	R9508	301 264 1813	MT-GLAZE	1K FA	1/10W
R9106	301 150 6212	MT-GLAZE	1K JA	1/10W	R9509	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9107	301 150 6212	MT-GLAZE	1K JA	1/10W	R9511	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9108	301 150 6212	MT-GLAZE	1K JA	1/10W	R9512	301 150 5918	MT-GLAZE	10K JA	1/10W
R9109	301 150 6212	MT-GLAZE	1K JA	1/10W	R9516	301 264 1813	MT-GLAZE	1K FA	1/10W
R9111	301 150 6212	MT-GLAZE	1K JA	1/10W	R9517	301 264 1813	MT-GLAZE	1K FA	1/10W
R9112	301 150 6212	MT-GLAZE	1K JA	1/10W	R9518	301 264 1813	MT-GLAZE	1K FA	1/10W
R9114	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9519	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9121	301 255 8715	MT-GLAZE	22 JA	1/10W	R9521	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9123	301 162 3711	MT-GLAZE	4.7K JA	1/10W	R9522	301 150 5918	MT-GLAZE	10K JA	1/10W
R9127	301 162 3711	MT-GLAZE	4.7K JA	1/10W	R9526	301 265 4912	MT-GLAZE	75 FA	1/10W
R9128	301 152 3219	MT-GLAZE	330 JA	1/10W	R9527	301 264 2810	MT-GLAZE	1.2K FA	1/10W
R9131	301 255 8715	MT-GLAZE	22 JA	1/10W	R9528	301 264 1813	MT-GLAZE	1K FA	1/10W
R9132	301 255 8715	MT-GLAZE	22 JA	1/10W	R9529	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9133	301 255 8715	MT-GLAZE	22 JA	1/10W	R9531	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9134	301 255 8715	MT-GLAZE	22 JA	1/10W	R9532	301 150 5918	MT-GLAZE	10K JA	1/10W
R9136	301 162 2219	MT-GLAZE	10 JA	1/10W	R9534	301 162 3612	MT-GLAZE	470 JA	1/10W
R9137	301 162 2219	MT-GLAZE	10 JA	1/10W	R9536	301 255 6919	MT-GLAZE	91 JA	1/10W
R9138	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9537	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9139	301 255 6513	MT-GLAZE	100 JA	1/10W	R9538	301 264 1813	MT-GLAZE	1K FA	1/10W
R9141	301 162 2219	MT-GLAZE	10 JA	1/10W	R9539	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9142	301 162 2219	MT-GLAZE	10 JA	1/10W	R9541	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9143	301 264 6511	MT-GLAZE	2.2K FA	1/10W	R9542	301 150 5918	MT-GLAZE	10K JA	1/10W
R9146	301 162 2219	MT-GLAZE	10 JA	1/10W	R9546	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9147	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9547	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9151	301 162 2219	MT-GLAZE	10 JA	1/10W	R9548	301 264 1813	MT-GLAZE	1K FA	1/10W
R9152	301 162 2219	MT-GLAZE	10 JA	1/10W	R9551	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9153	301 255 6513	MT-GLAZE	100 JA	1/10W	R9552	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R9154	301 150 5918	MT-GLAZE	10K JA	1/10W	R9553	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9155	301 150 6212	MT-GLAZE	1K JA	1/10W	R9554	301 255 8616	MT-GLAZE	910 JA	1/10W
R9156	301 150 5918	MT-GLAZE	10K JA	1/10W	R9561	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R9157	301 256 7311	MT-GLAZE	6.8K JA	1/10W	R9562	301 150 5918	MT-GLAZE	10K JA	1/10W
R9158	301 162 2219	MT-GLAZE	10 JA	1/10W	R9566	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9159	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	R9567	301 264 4715	MT-GLAZE	1.8K FA	1/10W
R9161	301 264 6511	MT-GLAZE	2.2K FA	1/10W	R9568	301 264 1813	MT-GLAZE	1K FA	1/10W
R9162	301 150 5918	MT-GLAZE	10K JA	1/10W	R9571	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9163	301 150 6212	MT-GLAZE	1K JA	1/10W	R9572	301 264 6511	MT-GLAZE	2.2K FA	1/10W
R9171	301 255 6513	MT-GLAZE	100 JA	1/10W	R9573	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R9172	301 255 6513	MT-GLAZE	100 JA	1/10W	R9574	301 255 8616	MT-GLAZE	910 JA	1/10W

Electrical Parts List

Key No.	Part No.	Description
R9591	301 150 5918	MT-GLAZE 10K JA 1/10W
R9592	301 150 5918	MT-GLAZE 10K JA 1/10W
R9593	301 150 5918	MT-GLAZE 10K JA 1/10W
R9594	301 150 5918	MT-GLAZE 10K JA 1/10W
R9595	301 150 5918	MT-GLAZE 10K JA 1/10W
R9901	301 162 2219	MT-GLAZE 10 JA 1/10W
R9902	301 162 2219	MT-GLAZE 10 JA 1/10W
R9903	301 162 2219	MT-GLAZE 10 JA 1/10W
R9904	301 162 2219	MT-GLAZE 10 JA 1/10W
R9906	301 162 2219	MT-GLAZE 10 JA 1/10W
R9907	301 162 2219	MT-GLAZE 10 JA 1/10W
R9908	301 162 2219	MT-GLAZE 10 JA 1/10W
RB9011	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9012	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9013	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9014	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9016	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9017	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9018	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9019	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9021	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9022	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9023	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9024	945 029 5783	R-NETWORK 100X4 1/32W
	945 028 0697	R-NETWORK 100X4 1/16W
RB9171	945 029 5790	R-NETWORK 1KX4 1/32W
	945 028 0703	R-NETWORK 1KX4 1/16W
RB9172	945 029 5790	R-NETWORK 1KX4 1/32W
	945 028 0703	R-NETWORK 1KX4 1/16W
COIL		
L9001	945 086 6037	IMPEDANCE,330 OHM P
L9002	945 086 6037	IMPEDANCE,330 OHM P
L9003	945 086 6037	IMPEDANCE,330 OHM P
L9004	945 086 6037	IMPEDANCE,330 OHM P
L9006	945 086 6037	IMPEDANCE,330 OHM P
L9007	945 086 6037	IMPEDANCE,330 OHM P
L9031	945 086 6037	IMPEDANCE,330 OHM P
L9032	945 086 6037	IMPEDANCE,330 OHM P
L9091	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L9092	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L9093	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L9094	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L9141	945 086 6037	IMPEDANCE,330 OHM P
L9142	945 086 6037	IMPEDANCE,330 OHM P
L9151	945 086 6037	IMPEDANCE,330 OHM P
L9152	945 086 6037	IMPEDANCE,330 OHM P
DIODE		
D9091	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
D9092	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
D9093	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
D9094	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
D9501	307 163 0414	DIODE 1SS352-(TPH3)
D9511	307 163 0414	DIODE 1SS352-(TPH3)
D9521	307 163 0414	DIODE 1SS352-(TPH3)
D9541	307 201 2724	DIODE RB051L-40-TE25
D9542	307 163 0414	DIODE 1SS352-(TPH3)
D9561	307 201 2724	DIODE RB051L-40-TE25
MISCELLANEOUS		
K90A	945 041 6065	PLUG,I/O 176P
K90B	945 041 6065	PLUG,I/O 176P
X9001	945 076 5194	OSC,CRYSTAL 79.991883MHZ

A6801 610 342 3418 ASSY,PWB,CONTROL KH5AL

Key No.	Part No.	Description
TRANSISTOR		
Q1951	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1956	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1961	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1966	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1971	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2951	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2956	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2961	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R

Electrical Parts List

Key No.	Part No.	Description		
	305 173 9915	TR 2SC3928A1S		
Q2966	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2971	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2976	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2981	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2986	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2991	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2996	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
CAPACITOR				
C1951	303 298 9612	CERAMIC	0.1U K	16V
C1956	303 298 9612	CERAMIC	0.1U K	16V
C1961	303 298 9612	CERAMIC	0.1U K	16V
C1966	303 298 9612	CERAMIC	0.1U K	16V
C1971	303 298 9612	CERAMIC	0.1U K	16V
C2951	303 298 9612	CERAMIC	0.1U K	16V
C2956	303 298 9612	CERAMIC	0.1U K	16V
C2961	303 298 9612	CERAMIC	0.1U K	16V
C2966	303 298 9612	CERAMIC	0.1U K	16V
C2971	303 298 9612	CERAMIC	0.1U K	16V
C2976	303 298 9612	CERAMIC	0.1U K	16V
C2981	303 298 9612	CERAMIC	0.1U K	16V
C2986	303 298 9612	CERAMIC	0.1U K	16V
C2991	303 298 9612	CERAMIC	0.1U K	16V
C2996	303 298 9612	CERAMIC	0.1U K	16V
C6801	303 298 9612	CERAMIC	0.1U K	16V
C6811	303 298 9612	CERAMIC	0.1U K	16V
C6821	303 298 9612	CERAMIC	0.1U K	16V
RESISTOR				
R1951	301 255 6612	MT-GLAZE	300 JA	1/10W
R1952	301 255 6612	MT-GLAZE	300 JA	1/10W
R1953	301 326 1713	MT-GLAZE	10K DA	1/10W
R1956	301 255 6612	MT-GLAZE	300 JA	1/10W
R1957	301 255 6612	MT-GLAZE	300 JA	1/10W
R1958	301 326 1713	MT-GLAZE	10K DA	1/10W
R1961	301 255 6612	MT-GLAZE	300 JA	1/10W
R1962	301 255 6612	MT-GLAZE	300 JA	1/10W
R1963	301 326 1713	MT-GLAZE	10K DA	1/10W
R1966	301 255 6612	MT-GLAZE	300 JA	1/10W
R1967	301 255 6612	MT-GLAZE	300 JA	1/10W
R1968	301 326 1713	MT-GLAZE	10K DA	1/10W
R1971	301 255 6612	MT-GLAZE	300 JA	1/10W
R1972	301 255 6612	MT-GLAZE	300 JA	1/10W
R1973	301 326 1713	MT-GLAZE	10K DA	1/10W
R1976	301 256 3818	MT-GLAZE	1.5K JA	1/10W
R2886	301 255 6612	MT-GLAZE	300 JA	1/10W
R2887	301 255 6612	MT-GLAZE	300 JA	1/10W
R2888	301 326 1713	MT-GLAZE	10K DA	1/10W
R2951	301 255 6612	MT-GLAZE	300 JA	1/10W
R2952	301 255 6612	MT-GLAZE	300 JA	1/10W
R2953	301 326 1713	MT-GLAZE	10K DA	1/10W
R2956	301 255 6612	MT-GLAZE	300 JA	1/10W
R2957	301 255 6612	MT-GLAZE	300 JA	1/10W
R2958	301 326 1713	MT-GLAZE	10K DA	1/10W
R2961	301 255 6612	MT-GLAZE	300 JA	1/10W
R2962	301 255 6612	MT-GLAZE	300 JA	1/10W
R2963	301 326 1713	MT-GLAZE	10K DA	1/10W
R2966	301 255 6612	MT-GLAZE	300 JA	1/10W
R2967	301 255 6612	MT-GLAZE	300 JA	1/10W
R2968	301 326 1713	MT-GLAZE	10K DA	1/10W
R2971	301 255 6612	MT-GLAZE	300 JA	1/10W
R2972	301 255 6612	MT-GLAZE	300 JA	1/10W
R2973	301 326 1713	MT-GLAZE	10K DA	1/10W
R2976	301 255 6612	MT-GLAZE	300 JA	1/10W
R2977	301 255 6612	MT-GLAZE	300 JA	1/10W
R2978	301 326 1713	MT-GLAZE	10K DA	1/10W
R2981	301 255 6612	MT-GLAZE	300 JA	1/10W
R2982	301 255 6612	MT-GLAZE	300 JA	1/10W
R2983	301 326 1713	MT-GLAZE	10K DA	1/10W
R2991	301 255 6612	MT-GLAZE	300 JA	1/10W
R2992	301 255 6612	MT-GLAZE	300 JA	1/10W
R2993	301 326 1713	MT-GLAZE	10K DA	1/10W
R2996	301 255 6612	MT-GLAZE	300 JA	1/10W
R2997	301 255 6612	MT-GLAZE	300 JA	1/10W
R2998	301 326 1713	MT-GLAZE	10K DA	1/10W
R6801	301 265 1812	MT-GLAZE	47K FA	1/10W
R6802	301 264 4814	MT-GLAZE	18K FA	1/10W
R6803	301 265 5711	MT-GLAZE	8.2K FA	1/10W
R6804	301 265 3113	MT-GLAZE	5.6K FA	1/10W
R6806	301 264 9314	MT-GLAZE	3.3K FA	1/10W
R6807	301 326 1713	MT-GLAZE	10K DA	1/10W
R6811	301 265 1812	MT-GLAZE	47K FA	1/10W
R6812	301 264 4814	MT-GLAZE	18K FA	1/10W
R6813	301 265 5711	MT-GLAZE	8.2K FA	1/10W
R6814	301 265 3113	MT-GLAZE	5.6K FA	1/10W
R6816	301 264 9314	MT-GLAZE	3.3K FA	1/10W
R6817	301 326 1713	MT-GLAZE	10K DA	1/10W
R6821	301 265 1812	MT-GLAZE	47K FA	1/10W
R6822	301 264 4814	MT-GLAZE	18K FA	1/10W
R6823	301 265 5711	MT-GLAZE	8.2K FA	1/10W
R6824	301 265 3113	MT-GLAZE	5.6K FA	1/10W

Electrical Parts List

Key No.	Part No.	Description		
R6826	301 264 9314	MT-GLAZE	3.3K FA	1/10W
R6827	301 326 1713	MT-GLAZE	10K DA	1/10W
R6831	301 162 2219	MT-GLAZE	10 JA	1/10W
R6832	301 162 2219	MT-GLAZE	10 JA	1/10W
R6833	301 162 2219	MT-GLAZE	10 JA	1/10W
R6834	301 162 2219	MT-GLAZE	10 JA	1/10W
R6836	301 162 2219	MT-GLAZE	10 JA	1/10W
R6837	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
DIODE				
D1951	407 265 0418	LED SMLE12WBC7W1HR		
D1952	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1956	407 265 0418	LED SMLE12WBC7W1HR		
D1957	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1961	407 265 0418	LED SMLE12WBC7W1HR		
D1962	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1966	407 265 0418	LED SMLE12WBC7W1HR		
D1967	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1971	407 265 0418	LED SMLE12WBC7W1HR		
D1972	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2951	407 265 0418	LED SMLE12WBC7W1HR		
D2952	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2956	407 265 0418	LED SMLE12WBC7W1HR		
D2957	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2961	407 265 0418	LED SMLE12WBC7W1HR		
D2962	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2966	407 265 0418	LED SMLE12WBC7W1HR		
D2967	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2971	407 265 0418	LED SMLE12WBC7W1HR		
D2972	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2976	407 265 0418	LED SMLE12WBC7W1HR		
D2977	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2981	407 265 0418	LED SMLE12WBC7W1HR		
D2982	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2986	407 265 0418	LED SMLE12WBC7W1HR		
D2987	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2991	407 265 0418	LED SMLE12WBC7W1HR		
D2992	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2996	407 265 0418	LED SMLE12WBC7W1HR		
D2997	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D6801	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D6811	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D6821	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
MISCELLANEOUS				
SW6801	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6802	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6803	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6804	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6806	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6811	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6812	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6813	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6814	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6816	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6821	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6822	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6823	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6824	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6826	945 026 2792	SWITCH,PUSH 1P-1TX1		

A2801 610 342 3425 ASSY,PWB,LED KH5AL

TRANSISTOR				
Q2901	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2902	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2903	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2904	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2906	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2907	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2908	305 014 4512	TR 2SC2412K T146 R		
	305 014 4611	TR 2SC2412K T146 S		
	305 015 8727	TR 2SC2812-L6-TB		
	305 015 8925	TR 2SC2812-L7-TB		
	305 163 1615	TR 2SC2812N-L6-TB0		
	305 173 9816	TR 2SC3928A1R		
	305 173 9915	TR 2SC3928A1S		
Q2909	305 134 5928	TR 2SA1037AK-T146-R		
	305 147 2218	TR 2SA1037AK-S-T146		
	305 002 0311	TR 2SA1037K T146 R		
	305 002 0410	TR 2SA1037K T146 S		
	305 002 6729	TR 2SA1179-M6-TB		
	305 002 6927	TR 2SA1179-M7-TB		
	305 163 1516	TR 2SA1179N-M6-TB		
	305 173 9618	TR 2SA1235A1E		
	305 173 9717	TR 2SA1235A1F		
CAPACITOR				
C2901	303 298 9612	CERAMIC	0.1U K	16V
C2902	303 298 9612	CERAMIC	0.1U K	16V
C2903	303 298 9612	CERAMIC	0.1U K	16V
C2904	303 298 9612	CERAMIC	0.1U K	16V
C2906	303 298 9612	CERAMIC	0.1U K	16V
C2907	303 298 9612	CERAMIC	0.1U K	16V
C2908	303 298 9612	CERAMIC	0.1U K	16V
RESISTOR				
R2901	301 162 3612	MT-GLAZE	470 JA	1/10W

Electrical Parts List

Key No.	Part No.	Description		
R2902	301 162 3612	MT-GLAZE	470 JA	1/10W
R2903	301 326 1713	MT-GLAZE	10K DA	1/10W
R2906	301 162 3612	MT-GLAZE	470 JA	1/10W
R2907	301 150 6212	MT-GLAZE	1K JA	1/10W
R2908	301 326 1713	MT-GLAZE	10K DA	1/10W
R2911	301 256 2019	MT-GLAZE	430 JA	1/10W
R2912	301 256 2019	MT-GLAZE	430 JA	1/10W
R2913	301 326 1713	MT-GLAZE	10K DA	1/10W
R2916	301 256 2019	MT-GLAZE	430 JA	1/10W
R2917	301 256 2019	MT-GLAZE	430 JA	1/10W
R2918	301 326 1713	MT-GLAZE	10K DA	1/10W
R2921	301 162 2912	MT-GLAZE	220 JA	1/10W
R2922	301 162 2912	MT-GLAZE	220 JA	1/10W
R2923	301 326 1713	MT-GLAZE	10K DA	1/10W
R2926	301 256 2019	MT-GLAZE	430 JA	1/10W
R2927	301 256 2019	MT-GLAZE	430 JA	1/10W
R2928	301 326 1713	MT-GLAZE	10K DA	1/10W
R2931	301 256 2019	MT-GLAZE	430 JA	1/10W
R2932	301 256 2019	MT-GLAZE	430 JA	1/10W
R2933	301 326 1713	MT-GLAZE	10K DA	1/10W
R2935	301 256 3818	MT-GLAZE	1.5K JA	1/10W
R2937	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R2938	301 265 3113	MT-GLAZE	5.6K FA	1/10W
R2941	301 162 2219	MT-GLAZE	10 JA	1/10W
R2942	301 162 2219	MT-GLAZE	10 JA	1/10W
R2943	301 162 2219	MT-GLAZE	10 JA	1/10W
R2944	301 162 2219	MT-GLAZE	10 JA	1/10W
R2945	301 162 2219	MT-GLAZE	10 JA	1/10W
R2946	301 162 2219	MT-GLAZE	10 JA	1/10W
R2947	301 162 2219	MT-GLAZE	10 JA	1/10W
R2948	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
DIODE				
D2866	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2901	407 264 6411	LED SMLE12M8W T86		
D2902	407 264 6510	LED SMLE12V8W T86		
D2903	407 264 6510	LED SMLE12V8W T86		
D2904	407 264 6213	LED SMLE12D8W T86		
D2906	407 259 7515	LED SMLE12BC7TT86		
D2907	407 264 6213	LED SMLE12D8W T86		
D2908	407 264 6213	LED SMLE12D8W T86		
D2909	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2911	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2912	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2913	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2914	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D2916	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		

A2811 610 342 3432 ASSY,PWB,R/C1 KH5AL

CAPACITOR				
C2821	303 358 8319	CERAMIC	1U K	10V
C2822	303 157 6615	CERAMIC	470P K	50V
C2823	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C2824	303 157 6615	CERAMIC	470P K	50V
RESISTOR				
R2823	301 162 2219	MT-GLAZE	10 JA	1/10W
R2824	301 256 5614	MT-GLAZE	47 JA	1/10W
R2827	301 162 2219	MT-GLAZE	10 JA	1/10W
MISCELLANEOUS				
A2821	945 082 0466	UNIT,REMOCON RECEIVER		
A2831	945 082 0466	UNIT,REMOCON RECEIVER		

A2821 610 342 3449 ASSY,PWB,R/C2 KH5AL

CAPACITOR				
C2826	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C2827	303 157 6615	CERAMIC	470P K	50V
C2828	303 358 8319	CERAMIC	1U K	10V
RESISTOR				
R2829	301 256 5614	MT-GLAZE	47 JA	1/10W
R2831	301 162 2219	MT-GLAZE	10 JA	1/10W
MISCELLANEOUS				
A2826	945 082 0466	UNIT,REMOCON RECEIVER		

A1901 610 342 3487 ASSY,PWB,LED LIGHT KH5AL

TRANSISTOR		
Q1911	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1921	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1931	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S

CAPACITOR				
C1911	303 298 9612	CERAMIC	0.1U K	16V
C1921	303 298 9612	CERAMIC	0.1U K	16V
C1931	303 298 9612	CERAMIC	0.1U K	16V
RESISTOR				
R1911	301 255 6612	MT-GLAZE	300 JA	1/10W
R1912	301 255 6612	MT-GLAZE	300 JA	1/10W
R1913	301 326 1713	MT-GLAZE	10K DA	1/10W
R1921	301 255 6612	MT-GLAZE	300 JA	1/10W
R1922	301 255 6612	MT-GLAZE	300 JA	1/10W
R1923	301 326 1713	MT-GLAZE	10K DA	1/10W
R1931	301 255 6612	MT-GLAZE	300 JA	1/10W
R1932	301 255 6612	MT-GLAZE	300 JA	1/10W
R1933	301 326 1713	MT-GLAZE	10K DA	1/10W
R1941	301 162 2219	MT-GLAZE	10 JA	1/10W
DIODE				
D1911	407 266 2817	LED LWE6SCU2AA5K8L1		
D1912	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1921	407 266 2817	LED LWE6SCU2AA5K8L1		
D1922	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		
D1931	407 266 2817	LED LWE6SCU2AA5K8L1		
D1932	307 254 2815	ZENER DIODE 02DZ5.6Y(TPH3		

Electrical Parts List

Key No.	Part No.	Description
AA401	**610 344 3911**	**ASSY,PWB,FORMATTER KJ5AL**
TRANSISTOR		
Q2516	305 200 9314	TR 2SK3492-TL-E
Q2524	305 200 9314	TR 2SK3492-TL-E
Q2566	305 200 9314	TR 2SK3492-TL-E
Q2574	305 200 9314	TR 2SK3492-TL-E
INTEGRATED CIRCUIT		
IC1401	410 678 9906	IC 2506502-0003B
IC1491	410 678 9807	IC TPS51100DGQR
IC1591	410 691 0904	IC M29DW323DB70N6E-1056
IC1592	309 642 8713	IC TC7SA32FU(TE85L,F)
IC1596	410 691 1109	IC M29DW323DB70N6E-1057
IC1597	309 642 8713	IC TC7SA32FU(TE85L,F)
IC2501	410 678 9708	IC 2506224-0004
IC2551	410 678 9708	IC 2506224-0004
IC3501	410 678 9609	IC 2503253-0004
IC401	410 678 9906	IC 2506502-0003B
IC451	310 479 4004	IC TC7WBD125AFK
IC4776	309 644 3310	IC MXA2500EL
IC491	410 678 9807	IC TPS51100DGQR
IC501	410 677 5602	IC MT49H8M36BM-TI
	410 690 3500	IC UPD48288236FF-EF26
IC591	410 691 0904	IC M29DW323DB70N6E-1056
IC592	309 642 8713	IC TC7SA32FU(TE85L,F)
IC596	410 691 1109	IC M29DW323DB70N6E-1057
IC597	309 642 8713	IC TC7SA32FU(TE85L,F)
IC7661	310 614 6207	IC TC7SZ14FU(TE85L,F)
IC7662	410 677 2205	IC TC7PA05FU(TE85L,F)
IC7681	410 677 2205	IC TC7PA05FU(TE85L,F)
IC7691	409 685 9415	IC MP2307DN
IC7701	410 676 9908	IC ICS650GI-44LFT
IC7721	409 695 6817	IC UPC393GR-9LG-E1-A
IC7731	309 368 5812	IC TC7SH08FU(TE85L)
IC7746	309 644 5215	IC 74LVC1G04GW-125
	309 330 2511	IC TC7SH04FU-(TE85L)
CAPACITOR		
C1401	303 409 3426	CERAMIC 0.1U K 16V
C1402	303 276 1317	CERAMIC 1000P K 50V
C1403	303 276 1317	CERAMIC 1000P K 50V
C1404	303 409 3426	CERAMIC 0.1U K 16V
C1405	303 276 1317	CERAMIC 1000P K 50V
C1406	303 409 3426	CERAMIC 0.1U K 16V
C1407	303 276 1317	CERAMIC 1000P K 50V
C1408	303 409 3426	CERAMIC 0.1U K 16V
C1409	303 276 1317	CERAMIC 1000P K 50V
C1410	303 450 7012	CERAMIC 47U K 10V
C1411	303 409 3426	CERAMIC 0.1U K 16V
C1412	303 276 1317	CERAMIC 1000P K 50V
C1413	303 409 3426	CERAMIC 0.1U K 16V
C1414	303 276 1317	CERAMIC 1000P K 50V
C1415	303 409 3426	CERAMIC 0.1U K 16V
C1416	303 276 1317	CERAMIC 1000P K 50V
C1417	303 409 3426	CERAMIC 0.1U K 16V
C1418	303 276 1317	CERAMIC 1000P K 50V
C1419	303 409 3426	CERAMIC 0.1U K 16V
C1420	303 358 3215	CERAMIC 10U K 6.3V
C1421	303 409 3426	CERAMIC 0.1U K 16V
C1422	303 276 1317	CERAMIC 1000P K 50V
C1423	303 409 3426	CERAMIC 0.1U K 16V
C1424	303 276 1317	CERAMIC 1000P K 50V
C1425	303 409 3426	CERAMIC 0.1U K 16V
C1426	303 276 1317	CERAMIC 1000P K 50V
C1427	303 409 3426	CERAMIC 0.1U K 16V
C1428	303 276 1317	CERAMIC 1000P K 50V
C1429	303 409 3426	CERAMIC 0.1U K 16V
C1430	303 358 3215	CERAMIC 10U K 6.3V
C1431	303 276 1317	CERAMIC 1000P K 50V
C1432	303 409 3426	CERAMIC 0.1U K 16V
C1433	303 276 1317	CERAMIC 1000P K 50V
C1434	303 409 3426	CERAMIC 0.1U K 16V
C1435	303 276 1317	CERAMIC 1000P K 50V
C1436	303 409 3426	CERAMIC 0.1U K 16V
C1437	303 409 3426	CERAMIC 0.1U K 16V
C1438	303 409 3426	CERAMIC 0.1U K 16V
C1439	303 276 1317	CERAMIC 1000P K 50V
C1441	303 409 3426	CERAMIC 0.1U K 16V
C1442	303 276 1317	CERAMIC 1000P K 50V
C1443	303 409 3426	CERAMIC 0.1U K 16V
C1444	303 276 1317	CERAMIC 1000P K 50V
C1445	303 409 3426	CERAMIC 0.1U K 16V
C1446	303 276 1317	CERAMIC 1000P K 50V
C1447	303 409 3426	CERAMIC 0.1U K 16V
C1448	303 276 1317	CERAMIC 1000P K 50V
C1449	303 409 3426	CERAMIC 0.1U K 16V
C1451	303 276 1317	CERAMIC 1000P K 50V
C1452	303 409 3426	CERAMIC 0.1U K 16V
C1453	303 276 1317	CERAMIC 1000P K 50V
C1454	303 409 3426	CERAMIC 0.1U K 16V
C1455	303 276 1317	CERAMIC 1000P K 50V
C1456	303 409 3426	CERAMIC 0.1U K 16V
C1457	303 276 1317	CERAMIC 1000P K 50V
C1458	303 409 3426	CERAMIC 0.1U K 16V
C1459	303 276 1317	CERAMIC 1000P K 50V
C1461	303 409 3426	CERAMIC 0.1U K 16V
C1462	303 276 1317	CERAMIC 1000P K 50V
C1463	303 409 3426	CERAMIC 0.1U K 16V
C1464	303 276 1317	CERAMIC 1000P K 50V
C1465	303 409 3426	CERAMIC 0.1U K 16V
C1466	303 276 1317	CERAMIC 1000P K 50V
C1467	303 409 3426	CERAMIC 0.1U K 16V
C1468	303 409 3426	CERAMIC 0.1U K 16V
C1469	303 276 1317	CERAMIC 1000P K 50V
C1470	303 358 3215	CERAMIC 10U K 6.3V
C1471	303 409 3426	CERAMIC 0.1U K 16V
C1472	303 276 1317	CERAMIC 1000P K 50V
C1473	303 409 3426	CERAMIC 0.1U K 16V
C1474	303 276 1317	CERAMIC 1000P K 50V
C1475	303 409 3426	CERAMIC 0.1U K 16V
C1476	303 409 3426	CERAMIC 0.1U K 16V
C1477	303 409 3426	CERAMIC 0.1U K 16V
C1478	303 409 3426	CERAMIC 0.1U K 16V
C1479	303 409 3426	CERAMIC 0.1U K 16V
C1480	303 409 3426	CERAMIC 0.1U K 16V
C1481	303 409 3426	CERAMIC 0.1U K 16V
C1482	303 409 3426	CERAMIC 0.1U K 16V
C1483	303 409 3426	CERAMIC 0.1U K 16V
C1484	303 409 3426	CERAMIC 0.1U K 16V
C1485	303 276 1317	CERAMIC 1000P K 50V
C1486	303 409 3426	CERAMIC 0.1U K 16V
C1487	303 409 3426	CERAMIC 0.1U K 16V
C1488	303 409 3426	CERAMIC 0.1U K 16V
C1489	303 276 1317	CERAMIC 1000P K 50V
C1491	303 358 3215	CERAMIC 10U K 6.3V
	303 368 7319	CERAMIC 10U K 6.3V
C1492	303 358 3215	CERAMIC 10U K 6.3V
	303 368 7319	CERAMIC 10U K 6.3V
C1493	303 358 3215	CERAMIC 10U K 6.3V
	303 368 7319	CERAMIC 10U K 6.3V
C1494	303 409 3426	CERAMIC 0.1U K 16V
C1495	303 394 5815	CERAMIC 4.7U K 16V

Electrical Parts List

Key No.	Part No.	Description		
C1501	303 409 3426	CERAMIC	0.1U K	16V
C1517	303 409 3426	CERAMIC	0.1U K	16V
C1518	303 409 3426	CERAMIC	0.1U K	16V
C1519	303 409 3426	CERAMIC	0.1U K	16V
C1521	303 409 3426	CERAMIC	0.1U K	16V
C1545	303 409 3426	CERAMIC	0.1U K	16V
C1548	303 409 3426	CERAMIC	0.1U K	16V
C1549	303 409 3426	CERAMIC	0.1U K	16V
C1551	303 409 3426	CERAMIC	0.1U K	16V
C1561	303 409 3426	CERAMIC	0.1U K	16V
C1562	303 409 3426	CERAMIC	0.1U K	16V
C1565	303 409 3426	CERAMIC	0.1U K	16V
C1573	303 409 3426	CERAMIC	0.1U K	16V
C1574	303 276 1317	CERAMIC	1000P K	50V
C1575	303 409 3426	CERAMIC	0.1U K	16V
C1581	303 276 1317	CERAMIC	1000P K	50V
C1582	303 409 3426	CERAMIC	0.1U K	16V
C1583	303 409 3426	CERAMIC	0.1U K	16V
C1584	303 276 1317	CERAMIC	1000P K	50V
C1585	303 409 3426	CERAMIC	0.1U K	16V
C1586	303 409 3426	CERAMIC	0.1U K	16V
C1587	303 409 3426	CERAMIC	0.1U K	16V
C1588	303 276 1317	CERAMIC	1000P K	50V
C1589	303 409 3426	CERAMIC	0.1U K	16V
C1591	303 409 3426	CERAMIC	0.1U K	16V
C1592	303 409 3426	CERAMIC	0.1U K	16V
C1593	303 409 3426	CERAMIC	0.1U K	16V
C1594	303 276 1317	CERAMIC	1000P K	50V
C1595	303 276 1317	CERAMIC	1000P K	50V
C1596	303 409 3426	CERAMIC	0.1U K	16V
C1597	303 409 3426	CERAMIC	0.1U K	16V
C1598	303 409 3426	CERAMIC	0.1U K	16V
C1599	303 409 3426	CERAMIC	0.1U K	16V
C2501	303 376 3112	ELECT	100U M	25V
C2502	303 437 4614	CERAMIC	10U K	25V
C2503	303 437 4614	CERAMIC	10U K	25V
C2504	303 401 5715	CERAMIC	0.33U K	16V
C2506	303 401 5715	CERAMIC	0.33U K	16V
C2507	303 401 5715	CERAMIC	0.33U K	16V
C2508	303 401 5715	CERAMIC	0.33U K	16V
C2511	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2512	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2513	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2514	303 375 7418	OS-SOLID	330U M	10V
C2516	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2517	303 394 9318	ELECT	220U M	6.3V
C2521	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2522	303 394 9318	ELECT	220U M	6.3V
C2524	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2531	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2532	303 276 1317	CERAMIC	1000P K	50V
C2533	303 276 1317	CERAMIC	1000P K	50V
C2534	303 276 1317	CERAMIC	1000P K	50V
C2536	303 376 6212	CERAMIC	0.22U K	10V
C2537	303 376 6212	CERAMIC	0.22U K	10V
C2539	303 409 3426	CERAMIC	0.1U K	16V
C2543	303 409 3426	CERAMIC	0.1U K	16V
C2544	303 276 1317	CERAMIC	1000P K	50V
C2551	303 376 3112	ELECT	100U M	25V
C2552	303 437 4614	CERAMIC	10U K	25V

Key No.	Part No.	Description		
C2553	303 437 4614	CERAMIC	10U K	25V
C2554	303 401 5715	CERAMIC	0.33U K	16V
C2556	303 401 5715	CERAMIC	0.33U K	16V
C2557	303 401 5715	CERAMIC	0.33U K	16V
C2558	303 401 5715	CERAMIC	0.33U K	16V
C2561	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2562	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2563	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2564	303 375 7418	OS-SOLID	330U M	10V
C2566	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2571	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2574	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2581	303 392 5015	CERAMIC	22U M	6.3V
	303 443 9214	CERAMIC	22U M	6.3V
C2582	303 276 1317	CERAMIC	1000P K	50V
C2583	303 276 1317	CERAMIC	1000P K	50V
C2584	303 276 1317	CERAMIC	1000P K	50V
C2586	303 376 6212	CERAMIC	0.22U K	10V
C2587	303 376 6212	CERAMIC	0.22U K	10V
C2589	303 409 3426	CERAMIC	0.1U K	16V
C2593	303 409 3426	CERAMIC	0.1U K	16V
C2594	303 276 1317	CERAMIC	1000P K	50V
C2701	303 276 1317	CERAMIC	1000P K	50V
C2702	303 409 3426	CERAMIC	0.1U K	16V
C2703	303 409 3426	CERAMIC	0.1U K	16V
C2704	303 276 1317	CERAMIC	1000P K	50V
C2705	303 276 1317	CERAMIC	1000P K	50V
C2706	303 409 3426	CERAMIC	0.1U K	16V
C2707	303 276 1317	CERAMIC	1000P K	50V
C2708	303 409 3426	CERAMIC	0.1U K	16V
C2709	303 276 1317	CERAMIC	1000P K	50V
C2711	303 409 3426	CERAMIC	0.1U K	16V
C2712	303 276 1317	CERAMIC	1000P K	50V
C2713	303 409 3426	CERAMIC	0.1U K	16V
C2714	303 276 1317	CERAMIC	1000P K	50V
C2715	303 409 3426	CERAMIC	0.1U K	16V
C2716	303 276 1317	CERAMIC	1000P K	50V
C2717	303 409 3426	CERAMIC	0.1U K	16V
C2718	303 276 1317	CERAMIC	1000P K	50V
C2719	303 409 3426	CERAMIC	0.1U K	16V
C2721	303 276 1317	CERAMIC	1000P K	50V
C2722	303 409 3426	CERAMIC	0.1U K	16V
C2723	303 276 1317	CERAMIC	1000P K	50V
C2724	303 409 3426	CERAMIC	0.1U K	16V
C2725	303 276 1317	CERAMIC	1000P K	50V
C2726	303 409 3426	CERAMIC	0.1U K	16V
C2727	303 276 1317	CERAMIC	1000P K	50V
C2728	303 409 3426	CERAMIC	0.1U K	16V
C2729	303 276 1317	CERAMIC	1000P K	50V
C2731	303 409 3426	CERAMIC	0.1U K	16V
C2732	303 276 1317	CERAMIC	1000P K	50V
C2733	303 409 3426	CERAMIC	0.1U K	16V
C2734	303 276 1317	CERAMIC	1000P K	50V
C2735	303 409 3426	CERAMIC	0.1U K	16V
C2736	303 409 3426	CERAMIC	0.1U K	16V
C2737	303 409 3426	CERAMIC	0.1U K	16V
C2738	303 409 3426	CERAMIC	0.1U K	16V
C2739	303 409 3426	CERAMIC	0.1U K	16V
C2740	303 276 1317	CERAMIC	1000P K	50V
C2741	303 276 1317	CERAMIC	1000P K	50V
C2742	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C2743	303 409 3426	CERAMIC	0.1U K	16V
C2744	303 409 3426	CERAMIC	0.1U K	16V
C2745	303 276 1317	CERAMIC	1000P K	50V
C2746	303 409 3426	CERAMIC	0.1U K	16V
C2747	303 276 1317	CERAMIC	1000P K	50V
C2748	303 409 3426	CERAMIC	0.1U K	16V
C2749	303 409 3426	CERAMIC	0.1U K	16V
C2750	303 409 3426	CERAMIC	0.1U K	16V
C2751	303 409 3426	CERAMIC	0.1U K	16V
C2752	303 409 3426	CERAMIC	0.1U K	16V
C2753	303 409 3426	CERAMIC	0.1U K	16V
C2754	303 409 3426	CERAMIC	0.1U K	16V
C2755	303 409 3426	CERAMIC	0.1U K	16V
C2756	303 409 3426	CERAMIC	0.1U K	16V
C2757	303 276 1317	CERAMIC	1000P K	50V
C2758	303 409 3426	CERAMIC	0.1U K	16V
C2759	303 409 3426	CERAMIC	0.1U K	16V
C2760	303 409 3426	CERAMIC	0.1U K	16V
C2761	303 409 3426	CERAMIC	0.1U K	16V
C2762	303 276 1317	CERAMIC	1000P K	50V
C2763	303 409 3426	CERAMIC	0.1U K	16V
C2764	303 409 3426	CERAMIC	0.1U K	16V
C2765	303 409 3426	CERAMIC	0.1U K	16V
C2766	303 409 3426	CERAMIC	0.1U K	16V
C2767	303 409 3426	CERAMIC	0.1U K	16V
C2768	303 409 3426	CERAMIC	0.1U K	16V
C2769	303 409 3426	CERAMIC	0.1U K	16V
C2770	303 409 3426	CERAMIC	0.1U K	16V
C2771	303 409 3426	CERAMIC	0.1U K	16V
C2772	303 276 1317	CERAMIC	1000P K	50V
C2773	303 409 3426	CERAMIC	0.1U K	16V
C2774	303 276 1317	CERAMIC	1000P K	50V
C2775	303 409 3426	CERAMIC	0.1U K	16V
C2776	303 409 3426	CERAMIC	0.1U K	16V
C2777	303 409 3426	CERAMIC	0.1U K	16V
C2778	303 450 7012	CERAMIC	47U K	10V
C2780	303 276 1317	CERAMIC	1000P K	50V
C2781	303 398 2117	ELECT	330U M	6.3V
	403 468 6318	ELECT	330U M	6.3V
C2782	303 409 3426	CERAMIC	0.1U K	16V
C2783	303 409 3426	CERAMIC	0.1U K	16V
C2784	303 276 1317	CERAMIC	1000P K	50V
C2785	303 409 3426	CERAMIC	0.1U K	16V
C2786	303 276 1317	CERAMIC	1000P K	50V
C2787	303 409 3426	CERAMIC	0.1U K	16V
C2788	303 409 3426	CERAMIC	0.1U K	16V
C2789	303 276 1317	CERAMIC	1000P K	50V
C2790	303 409 3426	CERAMIC	0.1U K	16V
C2791	303 409 3426	CERAMIC	0.1U K	16V
C2792	303 276 1317	CERAMIC	1000P K	50V
C2793	303 409 3426	CERAMIC	0.1U K	16V
C2794	303 409 3426	CERAMIC	0.1U K	16V
C2795	303 409 3426	CERAMIC	0.1U K	16V
C2796	303 276 1317	CERAMIC	1000P K	50V
C2797	303 409 3426	CERAMIC	0.1U K	16V
C2799	303 276 1317	CERAMIC	1000P K	50V
C3501	303 401 3810	ELECT	10U M	25V
C3502	303 409 3426	CERAMIC	0.1U K	16V
C3503	303 409 3426	CERAMIC	0.1U K	16V
C3504	303 433 1112	CERAMIC	1U K	10V
C3505	303 409 3426	CERAMIC	0.1U K	16V
C3506	303 294 6110	CERAMIC	100P J	50V
C3507	303 294 6110	CERAMIC	100P J	50V
C3508	303 376 3112	ELECT	100U M	25V
C3511	303 409 3426	CERAMIC	0.1U K	16V
C3512	303 367 0410	CERAMIC	0.1U K	50V
C3513	303 367 0410	CERAMIC	0.1U K	50V
C3514	303 367 0410	CERAMIC	0.1U K	50V
C3515	303 401 5616	ELECT	4.7U M	35V
C3516	303 367 0410	CERAMIC	0.1U K	50V
C3517	303 367 0410	CERAMIC	0.1U K	50V
C3518	303 401 3810	ELECT	10U M	25V
C3519	303 401 5616	ELECT	4.7U M	35V
C3521	303 401 5616	ELECT	4.7U M	35V
C3522	303 367 0410	CERAMIC	0.1U K	50V
C3523	303 367 0410	CERAMIC	0.1U K	50V
C3524	303 409 3426	CERAMIC	0.1U K	16V
C3525	303 367 0410	CERAMIC	0.1U K	50V
C3701	303 276 1317	CERAMIC	1000P K	50V
C3702	303 409 3426	CERAMIC	0.1U K	16V
C3703	303 409 3426	CERAMIC	0.1U K	16V
C3704	303 276 1317	CERAMIC	1000P K	50V
C3705	303 276 1317	CERAMIC	1000P K	50V
C3706	303 409 3426	CERAMIC	0.1U K	16V
C3707	303 276 1317	CERAMIC	1000P K	50V
C3708	303 409 3426	CERAMIC	0.1U K	16V
C3709	303 276 1317	CERAMIC	1000P K	50V
C3711	303 409 3426	CERAMIC	0.1U K	16V
C3712	303 276 1317	CERAMIC	1000P K	50V
C3713	303 409 3426	CERAMIC	0.1U K	16V
C3714	303 276 1317	CERAMIC	1000P K	50V
C3715	303 409 3426	CERAMIC	0.1U K	16V
C3716	303 276 1317	CERAMIC	1000P K	50V
C3717	303 409 3426	CERAMIC	0.1U K	16V
C3718	303 276 1317	CERAMIC	1000P K	50V
C3719	303 409 3426	CERAMIC	0.1U K	16V
C3721	303 276 1317	CERAMIC	1000P K	50V
C3722	303 409 3426	CERAMIC	0.1U K	16V
C3723	303 276 1317	CERAMIC	1000P K	50V
C3724	303 409 3426	CERAMIC	0.1U K	16V
C3725	303 276 1317	CERAMIC	1000P K	50V
C3726	303 409 3426	CERAMIC	0.1U K	16V
C3727	303 276 1317	CERAMIC	1000P K	50V
C3728	303 409 3426	CERAMIC	0.1U K	16V
C3729	303 276 1317	CERAMIC	1000P K	50V
C3731	303 409 3426	CERAMIC	0.1U K	16V
C3732	303 276 1317	CERAMIC	1000P K	50V
C3733	303 409 3426	CERAMIC	0.1U K	16V
C3734	303 276 1317	CERAMIC	1000P K	50V
C3735	303 409 3426	CERAMIC	0.1U K	16V
C3736	303 409 3426	CERAMIC	0.1U K	16V
C3737	303 409 3426	CERAMIC	0.1U K	16V
C3738	303 409 3426	CERAMIC	0.1U K	16V
C3739	303 409 3426	CERAMIC	0.1U K	16V
C3740	303 276 1317	CERAMIC	1000P K	50V
C3741	303 276 1317	CERAMIC	1000P K	50V
C3742	303 409 3426	CERAMIC	0.1U K	16V
C3743	303 409 3426	CERAMIC	0.1U K	16V
C3744	303 409 3426	CERAMIC	0.1U K	16V
C3745	303 276 1317	CERAMIC	1000P K	50V
C3746	303 409 3426	CERAMIC	0.1U K	16V
C3747	303 276 1317	CERAMIC	1000P K	50V
C3748	303 409 3426	CERAMIC	0.1U K	16V
C3749	303 409 3426	CERAMIC	0.1U K	16V
C3750	303 409 3426	CERAMIC	0.1U K	16V
C3751	303 409 3426	CERAMIC	0.1U K	16V
C3752	303 409 3426	CERAMIC	0.1U K	16V
C3753	303 409 3426	CERAMIC	0.1U K	16V
C3754	303 409 3426	CERAMIC	0.1U K	16V
C3755	303 409 3426	CERAMIC	0.1U K	16V
C3756	303 409 3426	CERAMIC	0.1U K	16V
C3757	303 276 1317	CERAMIC	1000P K	50V
C3758	303 409 3426	CERAMIC	0.1U K	16V
C3759	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C3760	303 409 3426	CERAMIC	0.1U K	16V	C431	303 276 1317	CERAMIC	1000P K	50V
C3761	303 409 3426	CERAMIC	0.1U K	16V	C432	303 409 3426	CERAMIC	0.1U K	16V
C3762	303 276 1317	CERAMIC	1000P K	50V	C433	303 276 1317	CERAMIC	1000P K	50V
C3763	303 409 3426	CERAMIC	0.1U K	16V	C434	303 409 3426	CERAMIC	0.1U K	16V
C3764	303 409 3426	CERAMIC	0.1U K	16V	C435	303 276 1317	CERAMIC	1000P K	50V
C3765	303 409 3426	CERAMIC	0.1U K	16V	C436	303 409 3426	CERAMIC	0.1U K	16V
C3766	303 409 3426	CERAMIC	0.1U K	16V	C437	303 409 3426	CERAMIC	0.1U K	16V
C3767	303 409 3426	CERAMIC	0.1U K	16V	C438	303 409 3426	CERAMIC	0.1U K	16V
C3768	303 409 3426	CERAMIC	0.1U K	16V	C439	303 276 1317	CERAMIC	1000P K	50V
C3769	303 409 3426	CERAMIC	0.1U K	16V	C441	303 409 3426	CERAMIC	0.1U K	16V
C3770	303 409 3426	CERAMIC	0.1U K	16V	C442	303 276 1317	CERAMIC	1000P K	50V
C3771	303 409 3426	CERAMIC	0.1U K	16V	C443	303 409 3426	CERAMIC	0.1U K	16V
C3772	303 276 1317	CERAMIC	1000P K	50V	C444	303 276 1317	CERAMIC	1000P K	50V
C3773	303 409 3426	CERAMIC	0.1U K	16V	C445	303 409 3426	CERAMIC	0.1U K	16V
C3774	303 276 1317	CERAMIC	1000P K	50V	C446	303 276 1317	CERAMIC	1000P K	50V
C3775	303 409 3426	CERAMIC	0.1U K	16V	C447	303 409 3426	CERAMIC	0.1U K	16V
C3776	303 409 3426	CERAMIC	0.1U K	16V	C448	303 276 1317	CERAMIC	1000P K	50V
C3777	303 409 3426	CERAMIC	0.1U K	16V	C449	303 409 3426	CERAMIC	0.1U K	16V
C3780	303 276 1317	CERAMIC	1000P K	50V	C4501	303 409 3426	CERAMIC	0.1U K	16V
C3781	303 398 2117	ELECT	330U M	6.3V	C4502	303 394 9318	ELECT	220U M	6.3V
	403 468 6318	ELECT	330U M	6.3V	C4503	303 409 3426	CERAMIC	0.1U K	16V
C3782	303 409 3426	CERAMIC	0.1U K	16V	C4504	303 409 3426	CERAMIC	0.1U K	16V
C3783	303 409 3426	CERAMIC	0.1U K	16V	C4505	303 409 3426	CERAMIC	0.1U K	16V
C3784	303 276 1317	CERAMIC	1000P K	50V	C4506	303 409 3426	CERAMIC	0.1U K	16V
C3785	303 409 3426	CERAMIC	0.1U K	16V	C4507	303 409 3426	CERAMIC	0.1U K	16V
C3786	303 276 1317	CERAMIC	1000P K	50V	C4508	303 409 3426	CERAMIC	0.1U K	16V
C3787	303 409 3426	CERAMIC	0.1U K	16V	C4509	303 409 3426	CERAMIC	0.1U K	16V
C3788	303 409 3426	CERAMIC	0.1U K	16V	C451	303 276 1317	CERAMIC	1000P K	50V
C3789	303 276 1317	CERAMIC	1000P K	50V	C4511	303 409 3426	CERAMIC	0.1U K	16V
C3790	303 409 3426	CERAMIC	0.1U K	16V	C4512	303 409 3426	CERAMIC	0.1U K	16V
C3791	303 409 3426	CERAMIC	0.1U K	16V	C4513	303 409 3426	CERAMIC	0.1U K	16V
C3792	303 276 1317	CERAMIC	1000P K	50V	C4514	303 409 3426	CERAMIC	0.1U K	16V
C3793	303 409 3426	CERAMIC	0.1U K	16V	C4515	303 409 3426	CERAMIC	0.1U K	16V
C3794	303 409 3426	CERAMIC	0.1U K	16V	C4516	303 409 3426	CERAMIC	0.1U K	16V
C3795	303 409 3426	CERAMIC	0.1U K	16V	C4517	303 409 3426	CERAMIC	0.1U K	16V
C3796	303 276 1317	CERAMIC	1000P K	50V	C4518	303 409 3426	CERAMIC	0.1U K	16V
C3797	303 409 3426	CERAMIC	0.1U K	16V	C4519	303 409 3426	CERAMIC	0.1U K	16V
C3799	303 276 1317	CERAMIC	1000P K	50V	C452	303 409 3426	CERAMIC	0.1U K	16V
C401	303 409 3426	CERAMIC	0.1U K	16V	C4521	303 409 3426	CERAMIC	0.1U K	16V
C402	303 276 1317	CERAMIC	1000P K	50V	C4522	303 409 3426	CERAMIC	0.1U K	16V
C403	303 276 1317	CERAMIC	1000P K	50V	C4523	303 409 3426	CERAMIC	0.1U K	16V
C404	303 409 3426	CERAMIC	0.1U K	16V	C4524	303 409 3426	CERAMIC	0.1U K	16V
C405	303 276 1317	CERAMIC	1000P K	50V	C4525	303 409 3426	CERAMIC	0.1U K	16V
C406	303 409 3426	CERAMIC	0.1U K	16V	C4526	303 409 3426	CERAMIC	0.1U K	16V
C407	303 276 1317	CERAMIC	1000P K	50V	C4527	303 409 3426	CERAMIC	0.1U K	16V
C408	303 409 3426	CERAMIC	0.1U K	16V	C4528	303 409 3426	CERAMIC	0.1U K	16V
C409	303 276 1317	CERAMIC	1000P K	50V	C4529	303 409 3426	CERAMIC	0.1U K	16V
C410	303 358 3215	CERAMIC	10U K	6.3V	C453	303 276 1317	CERAMIC	1000P K	50V
C411	303 409 3426	CERAMIC	0.1U K	16V	C4531	303 409 3426	CERAMIC	0.1U K	16V
C412	303 276 1317	CERAMIC	1000P K	50V	C4532	303 409 3426	CERAMIC	0.1U K	16V
C413	303 409 3426	CERAMIC	0.1U K	16V	C4533	303 409 3426	CERAMIC	0.1U K	16V
C414	303 276 1317	CERAMIC	1000P K	50V	C4534	303 409 3426	CERAMIC	0.1U K	16V
C415	303 409 3426	CERAMIC	0.1U K	16V	C4535	303 409 3426	CERAMIC	0.1U K	16V
C416	303 276 1317	CERAMIC	1000P K	50V	C4536	303 409 3426	CERAMIC	0.1U K	16V
C417	303 409 3426	CERAMIC	0.1U K	16V	C4537	303 409 3426	CERAMIC	0.1U K	16V
C418	303 276 1317	CERAMIC	1000P K	50V	C454	303 409 3426	CERAMIC	0.1U K	16V
C419	303 409 3426	CERAMIC	0.1U K	16V	C455	303 276 1317	CERAMIC	1000P K	50V
C421	303 409 3426	CERAMIC	0.1U K	16V	C456	303 409 3426	CERAMIC	0.1U K	16V
C422	303 276 1317	CERAMIC	1000P K	50V	C4561	303 409 3426	CERAMIC	0.1U K	16V
C423	303 409 3426	CERAMIC	0.1U K	16V	C4562	303 409 3426	CERAMIC	0.1U K	16V
C424	303 276 1317	CERAMIC	1000P K	50V	C4563	303 409 3426	CERAMIC	0.1U K	16V
C425	303 409 3426	CERAMIC	0.1U K	16V	C4564	303 409 3426	CERAMIC	0.1U K	16V
C426	303 276 1317	CERAMIC	1000P K	50V	C4565	303 409 3426	CERAMIC	0.1U K	16V
C427	303 409 3426	CERAMIC	0.1U K	16V	C4566	303 409 3426	CERAMIC	0.1U K	16V
C428	303 276 1317	CERAMIC	1000P K	50V	C4567	303 396 9514	CERAMIC	2.2U K	10V
C429	303 409 3426	CERAMIC	0.1U K	16V		303 382 7814	CERAMIC	2.2U K	10V
C430	303 358 3215	CERAMIC	10U K	6.3V	C4568	303 396 9514	CERAMIC	2.2U K	10V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
	303 382 7814	CERAMIC	2.2U K	10V	C516	303 409 3426	CERAMIC	0.1U K	16V
C457	303 276 1317	CERAMIC	1000P K	50V	C517	303 409 3426	CERAMIC	0.1U K	16V
C4571	303 409 3426	CERAMIC	0.1U K	16V	C518	303 409 3426	CERAMIC	0.1U K	16V
C4572	303 409 3426	CERAMIC	0.1U K	16V	C519	303 409 3426	CERAMIC	0.1U K	16V
C4573	303 409 3426	CERAMIC	0.1U K	16V	C521	303 409 3426	CERAMIC	0.1U K	16V
C4574	303 409 3426	CERAMIC	0.1U K	16V	C522	303 450 7012	CERAMIC	47U K	10V
C4575	303 409 3426	CERAMIC	0.1U K	16V	C523	303 276 1317	CERAMIC	1000P K	50V
C4576	303 409 3426	CERAMIC	0.1U K	16V	C524	303 409 3426	CERAMIC	0.1U K	16V
C458	303 409 3426	CERAMIC	0.1U K	16V	C526	303 276 1317	CERAMIC	1000P K	50V
C4581	303 294 6110	CERAMIC	100P J	50V	C527	303 409 3426	CERAMIC	0.1U K	16V
C4582	303 294 6110	CERAMIC	100P J	50V	C528	303 409 3426	CERAMIC	0.1U K	16V
C459	303 276 1317	CERAMIC	1000P K	50V	C529	303 409 3426	CERAMIC	0.1U K	16V
C461	303 409 3426	CERAMIC	0.1U K	16V	C531	303 409 3426	CERAMIC	0.1U K	16V
C462	303 276 1317	CERAMIC	1000P K	50V	C532	303 409 3426	CERAMIC	0.1U K	16V
C463	303 409 3426	CERAMIC	0.1U K	16V	C533	303 409 3426	CERAMIC	0.1U K	16V
C464	303 276 1317	CERAMIC	1000P K	50V	C534	303 409 3426	CERAMIC	0.1U K	16V
C465	303 409 3426	CERAMIC	0.1U K	16V	C536	303 276 1317	CERAMIC	1000P K	50V
C466	303 276 1317	CERAMIC	1000P K	50V	C537	303 409 3426	CERAMIC	0.1U K	16V
C467	303 409 3426	CERAMIC	0.1U K	16V	C538	303 409 3426	CERAMIC	0.1U K	16V
C468	303 409 3426	CERAMIC	0.1U K	16V	C539	303 276 1317	CERAMIC	1000P K	50V
C469	303 276 1317	CERAMIC	1000P K	50V	C541	303 409 3426	CERAMIC	0.1U K	16V
C470	303 358 3215	CERAMIC	10U K	6.3V	C542	303 409 3426	CERAMIC	0.1U K	16V
C471	303 409 3426	CERAMIC	0.1U K	16V	C543	303 409 3426	CERAMIC	0.1U K	16V
C472	303 276 1317	CERAMIC	1000P K	50V	C544	303 276 1317	CERAMIC	1000P K	50V
C473	303 409 3426	CERAMIC	0.1U K	16V	C545	303 409 3426	CERAMIC	0.1U K	16V
C474	303 276 1317	CERAMIC	1000P K	50V	C546	303 409 3426	CERAMIC	0.1U K	16V
C475	303 409 3426	CERAMIC	0.1U K	16V	C547	303 276 1317	CERAMIC	1000P K	50V
C476	303 409 3426	CERAMIC	0.1U K	16V	C548	303 409 3426	CERAMIC	0.1U K	16V
C477	303 409 3426	CERAMIC	0.1U K	16V	C549	303 409 3426	CERAMIC	0.1U K	16V
C4776	303 409 3426	CERAMIC	0.1U K	16V	C551	303 409 3426	CERAMIC	0.1U K	16V
C4777	303 409 3426	CERAMIC	0.1U K	16V	C552	303 450 7012	CERAMIC	47U K	10V
C4778	303 376 6311	CERAMIC	0.47U K	10V	C553	303 409 3426	CERAMIC	0.1U K	16V
C4779	303 376 6311	CERAMIC	0.47U K	10V	C554	303 409 3426	CERAMIC	0.1U K	16V
C478	303 409 3426	CERAMIC	0.1U K	16V	C556	303 409 3426	CERAMIC	0.1U K	16V
C479	303 409 3426	CERAMIC	0.1U K	16V	C557	303 276 1317	CERAMIC	1000P K	50V
C480	303 409 3426	CERAMIC	0.1U K	16V	C558	303 409 3426	CERAMIC	0.1U K	16V
C481	303 409 3426	CERAMIC	0.1U K	16V	C559	303 276 1317	CERAMIC	1000P K	50V
C482	303 409 3426	CERAMIC	0.1U K	16V	C561	303 409 3426	CERAMIC	0.1U K	16V
C483	303 409 3426	CERAMIC	0.1U K	16V	C562	303 409 3426	CERAMIC	0.1U K	16V
C484	303 409 3426	CERAMIC	0.1U K	16V	C563	303 409 3426	CERAMIC	0.1U K	16V
C485	303 276 1317	CERAMIC	1000P K	50V	C564	303 276 1317	CERAMIC	1000P K	50V
C486	303 409 3426	CERAMIC	0.1U K	16V	C565	303 409 3426	CERAMIC	0.1U K	16V
C487	303 409 3426	CERAMIC	0.1U K	16V	C566	303 409 3426	CERAMIC	0.1U K	16V
C488	303 276 1317	CERAMIC	1000P K	50V	C567	303 276 1317	CERAMIC	1000P K	50V
C489	303 409 3426	CERAMIC	0.1U K	16V	C568	303 409 3426	CERAMIC	0.1U K	16V
C491	303 358 3215	CERAMIC	10U K	6.3V	C569	303 276 1317	CERAMIC	1000P K	50V
	303 368 7319	CERAMIC	10U K	6.3V	C571	303 409 3426	CERAMIC	0.1U K	16V
C492	303 358 3215	CERAMIC	10U K	6.3V	C572	303 276 1317	CERAMIC	1000P K	50V
	303 368 7319	CERAMIC	10U K	6.3V	C573	303 409 3426	CERAMIC	0.1U K	16V
C493	303 358 3215	CERAMIC	10U K	6.3V	C574	303 276 1317	CERAMIC	1000P K	50V
	303 368 7319	CERAMIC	10U K	6.3V	C575	303 409 3426	CERAMIC	0.1U K	16V
C494	303 409 3426	CERAMIC	0.1U K	16V	C576	303 276 1317	CERAMIC	1000P K	50V
C495	303 394 5815	CERAMIC	4.7U K	16V	C577	303 409 3426	CERAMIC	0.1U K	16V
C496	303 409 3426	CERAMIC	0.1U K	16V	C578	303 409 3426	CERAMIC	0.1U K	16V
C501	303 409 3426	CERAMIC	0.1U K	16V	C579	303 276 1317	CERAMIC	1000P K	50V
C502	303 450 7012	CERAMIC	47U K	10V	C581	303 276 1317	CERAMIC	1000P K	50V
C503	303 276 1317	CERAMIC	1000P K	50V	C582	303 409 3426	CERAMIC	0.1U K	16V
C504	303 409 3426	CERAMIC	0.1U K	16V	C583	303 409 3426	CERAMIC	0.1U K	16V
C506	303 409 3426	CERAMIC	0.1U K	16V	C584	303 276 1317	CERAMIC	1000P K	50V
C507	303 276 1317	CERAMIC	1000P K	50V	C585	303 409 3426	CERAMIC	0.1U K	16V
C508	303 409 3426	CERAMIC	0.1U K	16V	C586	303 409 3426	CERAMIC	0.1U K	16V
C509	303 409 3426	CERAMIC	0.1U K	16V	C587	303 409 3426	CERAMIC	0.1U K	16V
C511	303 409 3426	CERAMIC	0.1U K	16V	C588	303 276 1317	CERAMIC	1000P K	50V
C512	303 276 1317	CERAMIC	1000P K	50V	C589	303 409 3426	CERAMIC	0.1U K	16V
C513	303 409 3426	CERAMIC	0.1U K	16V	C591	303 409 3426	CERAMIC	0.1U K	16V
C514	303 409 3426	CERAMIC	0.1U K	16V	C592	303 409 3426	CERAMIC	0.1U K	16V
C515	303 276 1317	CERAMIC	1000P K	50V	C593	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C594	303 276 1317	CERAMIC	1000P K	50V
C595	303 276 1317	CERAMIC	1000P K	50V
C596	303 409 3426	CERAMIC	0.1U K	16V
C597	303 409 3426	CERAMIC	0.1U K	16V
C598	303 409 3426	CERAMIC	0.1U K	16V
C599	303 409 3426	CERAMIC	0.1U K	16V
C7601	303 409 3426	CERAMIC	0.1U K	16V
C7602	303 409 3426	CERAMIC	0.1U K	16V
C7603	303 409 3426	CERAMIC	0.1U K	16V
C7604	303 409 3426	CERAMIC	0.1U K	16V
C7605	303 409 3426	CERAMIC	0.1U K	16V
C7606	303 407 1018	CERAMIC	4.7U K	6.3V
	303 383 5215	CERAMIC	4.7U K	6.3V
C7607	303 409 3426	CERAMIC	0.1U K	16V
C7608	303 409 3426	CERAMIC	0.1U K	16V
C7609	303 409 3426	CERAMIC	0.1U K	16V
C7612	303 409 3426	CERAMIC	0.1U K	16V
C7613	303 409 3426	CERAMIC	0.1U K	16V
C7614	303 409 3426	CERAMIC	0.1U K	16V
C7615	303 409 3426	CERAMIC	0.1U K	16V
C7616	303 409 3426	CERAMIC	0.1U K	16V
C7617	303 409 3426	CERAMIC	0.1U K	16V
C7618	303 409 3426	CERAMIC	0.1U K	16V
C7619	303 409 3426	CERAMIC	0.1U K	16V
C7621	303 409 3426	CERAMIC	0.1U K	16V
C7622	303 407 1018	CERAMIC	4.7U K	6.3V
	303 383 5215	CERAMIC	4.7U K	6.3V
C7623	303 394 9318	ELECT	220U M	6.3V
C7661	303 409 3426	CERAMIC	0.1U K	16V
C7663	303 409 3426	CERAMIC	0.1U K	16V
C7689	303 341 3918	POS-SOLID	100U M	6.3V
C7691	403 455 1616	CERAMIC	10U K	16V
C7692	403 455 1616	CERAMIC	10U K	16V
C7693	303 409 3426	CERAMIC	0.1U K	16V
C7696	303 369 0527	CERAMIC	0.01U K	25V
C7698	303 409 3426	CERAMIC	0.1U K	16V
C7699	303 450 7012	CERAMIC	47U K	10V
C7701	303 276 1911	CERAMIC	22P J	50V
C7702	303 276 1911	CERAMIC	22P J	50V
C7703	303 409 3426	CERAMIC	0.1U K	16V
C7704	303 441 9810	CERAMIC	0.01U K	50V
C7706	303 441 9810	CERAMIC	0.01U K	50V
C7707	303 441 9810	CERAMIC	0.01U K	50V
C7708	303 409 3426	CERAMIC	0.1U K	16V
C7709	303 409 3426	CERAMIC	0.1U K	16V
C7721	303 409 3426	CERAMIC	0.1U K	16V
C7722	303 276 1317	CERAMIC	1000P K	50V
C7723	303 276 1317	CERAMIC	1000P K	50V
C7731	303 409 3426	CERAMIC	0.1U K	16V
C7747	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R1408	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1409	401 345 6017	MT-GLAZE	220 DA	1/16W
R1411	301 225 0312	MT-GLAZE	33 JA	1/16W
R1412	301 225 0312	MT-GLAZE	33 JA	1/16W
R1413	301 225 0312	MT-GLAZE	33 JA	1/16W
R1415	301 225 0312	MT-GLAZE	33 JA	1/16W
R1417	301 224 9316	MT-GLAZE	1K JA	1/16W
R1418	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1419	301 224 9316	MT-GLAZE	1K JA	1/16W
R1426	301 224 9712	MT-GLAZE	22 JA	1/16W
R1427	301 224 9712	MT-GLAZE	22 JA	1/16W
R1436	301 224 9316	MT-GLAZE	1K JA	1/16W
R1438	301 224 9316	MT-GLAZE	1K JA	1/16W
R1452	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1491	301 224 9019	MT-GLAZE	10K JA	1/16W

Key No.	Part No.	Description		
R1501	301 272 7814	MT-GLAZE	100 FA	1/16W
R1502	301 272 7814	MT-GLAZE	100 FA	1/16W
R1503	301 272 7814	MT-GLAZE	100 FA	1/16W
R1508	301 224 9316	MT-GLAZE	1K JA	1/16W
R1513	301 294 2712	MT-GLAZE	150 FA	1/16W
R1521	301 294 2712	MT-GLAZE	150 FA	1/16W
R1522	301 294 2712	MT-GLAZE	150 FA	1/16W
R1523	301 294 2712	MT-GLAZE	150 FA	1/16W
R1524	301 294 2712	MT-GLAZE	150 FA	1/16W
R1526	301 294 2712	MT-GLAZE	150 FA	1/16W
R1527	301 294 2712	MT-GLAZE	150 FA	1/16W
R1528	301 294 2712	MT-GLAZE	150 FA	1/16W
R1529	301 294 2712	MT-GLAZE	150 FA	1/16W
R1531	301 294 2712	MT-GLAZE	150 FA	1/16W
R1532	301 294 2712	MT-GLAZE	150 FA	1/16W
R1533	301 294 2712	MT-GLAZE	150 FA	1/16W
R1534	301 294 2712	MT-GLAZE	150 FA	1/16W
R1536	301 294 2712	MT-GLAZE	150 FA	1/16W
R1537	301 294 2712	MT-GLAZE	150 FA	1/16W
R1538	301 294 2712	MT-GLAZE	150 FA	1/16W
R1539	301 294 2712	MT-GLAZE	150 FA	1/16W
R1591	301 225 0312	MT-GLAZE	33 JA	1/16W
R1594	301 225 0312	MT-GLAZE	33 JA	1/16W
R1596	301 225 0312	MT-GLAZE	33 JA	1/16W
R1597	301 225 0312	MT-GLAZE	33 JA	1/16W
R2511	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2512	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2513	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2516	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2517	301 261 1014	MT-GLAZE	2.4K JA	1/16W
R2518	301 224 9613	MT-GLAZE	2.7K JA	1/16W
R2519	301 290 1511	MT-GLAZE	0.1 JE	1/2W
R2521	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2522	301 224 9316	MT-GLAZE	1K JA	1/16W
R2523	401 345 6215	MT-GLAZE	2K DA	1/16W
R2524	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2525	301 308 9713	MT-GLAZE	2.4K DA	1/16W
R2526	401 345 6215	MT-GLAZE	2K DA	1/16W
R2529	401 345 6215	MT-GLAZE	2K DA	1/16W
R2532	301 294 2712	MT-GLAZE	150 FA	1/16W
R2534	301 294 2712	MT-GLAZE	150 FA	1/16W
R2536	301 294 2712	MT-GLAZE	150 FA	1/16W
R2538	301 100 5111	MT-GLAZE	1 JA	1/8W
R2539	301 100 5111	MT-GLAZE	1 JA	1/8W
R2561	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2562	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2563	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2566	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2567	301 261 1014	MT-GLAZE	2.4K JA	1/16W
R2568	301 224 9613	MT-GLAZE	2.7K JA	1/16W
R2569	301 290 1511	MT-GLAZE	0.1 JE	1/2W
R2571	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2572	301 224 9316	MT-GLAZE	1K JA	1/16W
R2573	401 345 6215	MT-GLAZE	2K DA	1/16W
R2574	301 190 1413	MT-GLAZE	0.000 ZA	1/2W
R2575	301 308 9713	MT-GLAZE	2.4K DA	1/16W
R2576	401 345 6215	MT-GLAZE	2K DA	1/16W
R2579	401 345 6215	MT-GLAZE	2K DA	1/16W
R2582	301 294 2712	MT-GLAZE	150 FA	1/16W
R2584	301 294 2712	MT-GLAZE	150 FA	1/16W
R2586	301 294 2712	MT-GLAZE	150 FA	1/16W
R2588	301 100 5111	MT-GLAZE	1 JA	1/8W
R2589	301 100 5111	MT-GLAZE	1 JA	1/8W
R3501	301 150 5918	MT-GLAZE	10K JA	1/10W
R3502	301 224 9019	MT-GLAZE	10K JA	1/16W
R3503	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3504	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R3505	301 150 5918	MT-GLAZE	10K JA 1/10W	R528	301 294 2712	MT-GLAZE	150 FA 1/16W
R406	301 224 9019	MT-GLAZE	10K JA 1/16W	R529	301 294 2712	MT-GLAZE	150 FA 1/16W
R407	301 224 9514	MT-GLAZE	2.2K JA 1/16W	R531	301 294 2712	MT-GLAZE	150 FA 1/16W
R408	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R532	301 294 2712	MT-GLAZE	150 FA 1/16W
R409	401 345 6017	MT-GLAZE	220 DA 1/16W	R533	301 294 2712	MT-GLAZE	150 FA 1/16W
R411	301 225 0312	MT-GLAZE	33 JA 1/16W	R534	301 294 2712	MT-GLAZE	150 FA 1/16W
R412	301 225 0312	MT-GLAZE	33 JA 1/16W	R536	301 294 2712	MT-GLAZE	150 FA 1/16W
R413	301 225 0312	MT-GLAZE	33 JA 1/16W	R537	301 294 2712	MT-GLAZE	150 FA 1/16W
R414	301 225 0312	MT-GLAZE	33 JA 1/16W	R538	301 294 2712	MT-GLAZE	150 FA 1/16W
R415	301 224 9316	MT-GLAZE	1K JA 1/16W	R539	301 294 2712	MT-GLAZE	150 FA 1/16W
R416	301 224 9316	MT-GLAZE	1K JA 1/16W	R591	301 224 9316	MT-GLAZE	1K JA 1/16W
R417	301 224 9316	MT-GLAZE	1K JA 1/16W	R592	301 224 9316	MT-GLAZE	1K JA 1/16W
R418	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R594	301 224 9316	MT-GLAZE	1K JA 1/16W
R419	301 224 9316	MT-GLAZE	1K JA 1/16W	R596	301 224 9316	MT-GLAZE	1K JA 1/16W
R421	301 224 9316	MT-GLAZE	1K JA 1/16W	R597	301 224 9316	MT-GLAZE	1K JA 1/16W
R422	301 224 9316	MT-GLAZE	1K JA 1/16W	R7601	301 272 7814	MT-GLAZE	100 FA 1/16W
R423	301 224 9316	MT-GLAZE	1K JA 1/16W	R7602	301 272 7814	MT-GLAZE	100 FA 1/16W
R424	301 224 9316	MT-GLAZE	1K JA 1/16W	R7603	301 272 7814	MT-GLAZE	100 FA 1/16W
R426	301 224 9712	MT-GLAZE	22 JA 1/16W	R7604	301 272 7814	MT-GLAZE	100 FA 1/16W
R427	301 224 9712	MT-GLAZE	22 JA 1/16W	R7605	301 272 7814	MT-GLAZE	100 FA 1/16W
R429	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7606	301 272 7814	MT-GLAZE	100 FA 1/16W
R431	301 224 9316	MT-GLAZE	1K JA 1/16W	R7607	301 272 7814	MT-GLAZE	100 FA 1/16W
R432	301 224 9316	MT-GLAZE	1K JA 1/16W	R7608	301 272 7814	MT-GLAZE	100 FA 1/16W
R433	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7609	301 272 7814	MT-GLAZE	100 FA 1/16W
R434	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7611	301 272 7814	MT-GLAZE	100 FA 1/16W
R436	301 224 9316	MT-GLAZE	1K JA 1/16W	R7612	301 272 7814	MT-GLAZE	100 FA 1/16W
R437	301 224 9316	MT-GLAZE	1K JA 1/16W	R7613	301 225 8110	MT-GLAZE	10 JA 1/16W
R441	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7614	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R442	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7616	301 225 8110	MT-GLAZE	10 JA 1/16W
R443	301 224 9316	MT-GLAZE	1K JA 1/16W	R7617	301 225 8110	MT-GLAZE	10 JA 1/16W
R444	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R7618	301 225 8110	MT-GLAZE	10 JA 1/16W
R448	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7621	301 225 8110	MT-GLAZE	10 JA 1/16W
R449	301 224 9019	MT-GLAZE	10K JA 1/16W	R7622	301 225 8110	MT-GLAZE	10 JA 1/16W
R4502	301 225 0312	MT-GLAZE	33 JA 1/16W	R7623	301 225 8110	MT-GLAZE	10 JA 1/16W
R4503	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7624	301 225 8110	MT-GLAZE	10 JA 1/16W
R4506	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7626	301 225 8110	MT-GLAZE	10 JA 1/16W
R4507	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7627	301 225 8110	MT-GLAZE	10 JA 1/16W
R4508	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7628	301 225 8110	MT-GLAZE	10 JA 1/16W
R4509	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7629	301 225 8110	MT-GLAZE	10 JA 1/16W
R4511	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7631	301 225 8110	MT-GLAZE	10 JA 1/16W
R453	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7632	301 225 8110	MT-GLAZE	10 JA 1/16W
R454	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7633	301 225 8110	MT-GLAZE	10 JA 1/16W
R455	301 235 1415	MT-GLAZE	1.2K JA 1/16W	R7634	301 225 8110	MT-GLAZE	10 JA 1/16W
R456	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7636	301 224 9316	MT-GLAZE	1K JA 1/16W
R457	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R7637	301 224 9316	MT-GLAZE	1K JA 1/16W
R458	301 224 9019	MT-GLAZE	10K JA 1/16W	R7638	301 224 9019	MT-GLAZE	10K JA 1/16W
R4776	301 227 5612	MT-GLAZE	8.2K JA 1/16W	R7642	301 224 9316	MT-GLAZE	1K JA 1/16W
R4777	301 227 5612	MT-GLAZE	8.2K JA 1/16W	R7643	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4779	301 225 0015	MT-GLAZE	270 JA 1/16W	R7646	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R491	301 224 9019	MT-GLAZE	10K JA 1/16W	R7648	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R501	301 272 7814	MT-GLAZE	100 FA 1/16W	R7658	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R502	301 272 7814	MT-GLAZE	100 FA 1/16W	R7659	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R503	301 272 7814	MT-GLAZE	100 FA 1/16W	R7661	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R506	301 224 9316	MT-GLAZE	1K JA 1/16W	R7662	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R507	301 224 9316	MT-GLAZE	1K JA 1/16W	R7663	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R508	301 224 9316	MT-GLAZE	1K JA 1/16W	R7664	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R509	301 224 9316	MT-GLAZE	1K JA 1/16W	R7665	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R511	301 224 9316	MT-GLAZE	1K JA 1/16W	R7666	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R512	301 224 9316	MT-GLAZE	1K JA 1/16W	R7667	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R513	301 294 2712	MT-GLAZE	150 FA 1/16W	R7668	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R514	401 345 6017	MT-GLAZE	220 DA 1/16W	R7669	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R521	301 294 2712	MT-GLAZE	150 FA 1/16W	R7671	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R522	301 294 2712	MT-GLAZE	150 FA 1/16W	R7672	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R523	301 294 2712	MT-GLAZE	150 FA 1/16W	R7673	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R524	301 294 2712	MT-GLAZE	150 FA 1/16W	R7674	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R526	301 294 2712	MT-GLAZE	150 FA 1/16W	R7675	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R527	301 294 2712	MT-GLAZE	150 FA 1/16W	R7676	301 226 1516	MT-GLAZE	0.000 ZA 1/16W

Electrical Parts List

Key No.	Part No.	Description
R7677	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7678	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7679	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7681	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7682	301 224 9316	MT-GLAZE 1K JA 1/16W
R7683	301 224 9316	MT-GLAZE 1K JA 1/16W
R7684	301 224 9316	MT-GLAZE 1K JA 1/16W
R7687	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7688	301 224 9019	MT-GLAZE 10K JA 1/16W
R7689	301 224 9019	MT-GLAZE 10K JA 1/16W
R7691	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7692	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7693	301 224 8913	MT-GLAZE 100K JA 1/16W
R7694	301 225 2118	MT-GLAZE 12K JA 1/16W
R7696	401 344 9415	MT-GLAZE 18K DA 1/16W
R7697	301 298 5511	MT-GLAZE 8.2K FA 1/16W
R7698	401 344 1914	MT-GLAZE 10K DA 1/16W
R7702	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7703	301 224 9019	MT-GLAZE 10K JA 1/16W
R7704	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7706	301 224 9019	MT-GLAZE 10K JA 1/16W
R7707	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7708	301 224 9019	MT-GLAZE 10K JA 1/16W
R7709	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7711	301 224 9415	MT-GLAZE 1M JA 1/16W
R7712	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7713	301 224 9712	MT-GLAZE 22 JA 1/16W
R7714	301 224 9712	MT-GLAZE 22 JA 1/16W
R7721	301 224 9217	MT-GLAZE 15K JA 1/16W
R7722	301 224 9019	MT-GLAZE 10K JA 1/16W
R7724	301 224 8913	MT-GLAZE 100K JA 1/16W
R7726	301 224 9217	MT-GLAZE 15K JA 1/16W
R7727	301 224 9019	MT-GLAZE 10K JA 1/16W
R7729	301 224 8913	MT-GLAZE 100K JA 1/16W
R7731	301 225 8110	MT-GLAZE 10 JA 1/16W
R7732	301 225 0312	MT-GLAZE 33 JA 1/16W
R7733	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7734	301 224 9019	MT-GLAZE 10K JA 1/16W
R7737	301 224 9019	MT-GLAZE 10K JA 1/16W
R7738	301 224 9019	MT-GLAZE 10K JA 1/16W
R7739	301 224 9019	MT-GLAZE 10K JA 1/16W
R7741	301 224 9019	MT-GLAZE 10K JA 1/16W
R7746	301 225 8110	MT-GLAZE 10 JA 1/16W
R7747	301 225 8110	MT-GLAZE 10 JA 1/16W
RB7601	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7602	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7603	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7604	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7605	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7606	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7607	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7608	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7609	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7611	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7612	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W
RB7613	645 049 0668	R-NETWORK 10X4 1/32W
	945 049 0683	R-NETWORK 10X4 1/16W

Key No.	Part No.	Description
COIL		
L1401	945 086 6648	IMPEDANCE,220 OHM P
L1436	945 086 6648	IMPEDANCE,220 OHM P
L1471	945 086 6648	IMPEDANCE,220 OHM P
L1476	945 086 6037	IMPEDANCE,330 OHM P
L1477	945 086 6037	IMPEDANCE,330 OHM P
L1478	945 086 6037	IMPEDANCE,330 OHM P
L1481	945 086 6037	IMPEDANCE,330 OHM P
L1482	945 086 6037	IMPEDANCE,330 OHM P
L1483	945 086 6037	IMPEDANCE,330 OHM P
L1501	945 086 6648	IMPEDANCE,220 OHM P
L2511	645 099 4920	INDUCTOR,10U M
L2512	645 099 4944	INDUCTOR,33U M
L2513	645 099 4937	INDUCTOR,15U M
L2516	645 099 4951	INDUCTOR,3.8U N
L2531	645 099 4944	INDUCTOR,33U M
L2541	945 041 1954	INDUCTOR,100 OHM
L2542	945 041 1954	INDUCTOR,100 OHM
L2543	945 041 1954	INDUCTOR,100 OHM
L2544	945 041 1954	INDUCTOR,100 OHM
L2545	945 086 6648	IMPEDANCE,220 OHM P
L2561	645 099 4920	INDUCTOR,10U M
L2562	645 099 4944	INDUCTOR,33U M
L2563	645 099 4937	INDUCTOR,15U M
L2566	645 099 4951	INDUCTOR,3.8U N
L2581	645 099 4944	INDUCTOR,33U M
L2591	945 041 1954	INDUCTOR,100 OHM
L2592	945 041 1954	INDUCTOR,100 OHM
L2593	945 041 1954	INDUCTOR,100 OHM
L2594	945 041 1954	INDUCTOR,100 OHM
L2595	945 086 6648	IMPEDANCE,220 OHM P
L2701	945 036 3895	INDUCTOR,220 OHM
L2781	945 036 3895	INDUCTOR,220 OHM
L3501	945 086 6648	IMPEDANCE,220 OHM P
L3506	945 086 6648	IMPEDANCE,220 OHM P
L3508	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L3514	645 099 4913	INDUCTOR,22U M
L3517	645 099 4913	INDUCTOR,22U M
L3701	945 086 6648	IMPEDANCE,220 OHM P
L3781	945 086 6648	IMPEDANCE,220 OHM P
L401	945 036 3895	INDUCTOR,220 OHM
L436	945 036 3895	INDUCTOR,220 OHM
L4501	945 036 3895	INDUCTOR,220 OHM
L4581	945 086 6648	IMPEDANCE,220 OHM P
L471	945 036 3895	INDUCTOR,220 OHM
L476	945 086 6037	IMPEDANCE,330 OHM P
L477	945 086 6037	IMPEDANCE,330 OHM P
L478	945 086 6037	IMPEDANCE,330 OHM P
L481	945 086 6037	IMPEDANCE,330 OHM P
L482	945 086 6037	IMPEDANCE,330 OHM P
L483	945 086 6037	IMPEDANCE,330 OHM P
L501	945 036 3895	INDUCTOR,220 OHM
L521	945 036 3895	INDUCTOR,220 OHM
L551	945 036 3895	INDUCTOR,220 OHM
L7601	945 070 3660	INDUCTOR,90 OHM
L7602	945 070 3660	INDUCTOR,90 OHM
L7603	945 070 3660	INDUCTOR,90 OHM
L7604	945 070 3660	INDUCTOR,90 OHM
L7605	945 070 3660	INDUCTOR,90 OHM
L7606	945 070 3660	INDUCTOR,90 OHM
L7607	945 070 3660	INDUCTOR,90 OHM
L7608	945 070 3660	INDUCTOR,90 OHM
L7609	945 070 3660	INDUCTOR,90 OHM
L7611	945 070 3660	INDUCTOR,90 OHM
L7612	945 070 3660	INDUCTOR,90 OHM

Key No.	Part No.	Description
L7613	945 086 5368	IMPEDANCE,220 OHM P
L7614	945 002 5281	INDUCTOR,15U M
L7615	945 086 5368	IMPEDANCE,220 OHM P
L7696	945 075 1388	INDUCTOR,10U M
L7701	945 086 6037	IMPEDANCE,330 OHM P
L7706	945 086 6037	IMPEDANCE,330 OHM P
DIODE		
D2511	307 210 3313	DIODE RB161L-40-TE25
D2512	307 250 0716	DIODE RB060M-30-TR
D2513	307 210 3313	DIODE RB161L-40-TE25
D2516	307 201 2724	DIODE RB051L-40-TE25
D2521	307 205 2819	DIODE RB520S-30-TE61
D2531	307 249 2714	DIODE RB050LA-40-TR
D2541	307 205 2819	DIODE RB520S-30-TE61
D2542	307 205 2819	DIODE RB520S-30-TE61
D2543	307 205 2819	DIODE RB520S-30-TE61
D2544	307 205 2819	DIODE RB520S-30-TE61
D2546	307 205 2819	DIODE RB520S-30-TE61
D2547	307 205 2819	DIODE RB520S-30-TE61
D2548	307 205 2819	DIODE RB520S-30-TE61
D2549	307 205 2819	DIODE RB520S-30-TE61
D2561	307 210 3313	DIODE RB161L-40-TE25
D2562	307 250 0716	DIODE RB060M-30-TR
D2563	307 210 3313	DIODE RB161L-40-TE25
D2566	307 201 2724	DIODE RB051L-40-TE25
D2581	307 249 2714	DIODE RB050LA-40-TR
D2591	307 205 2819	DIODE RB520S-30-TE61
D2592	307 205 2819	DIODE RB520S-30-TE61
D2593	307 205 2819	DIODE RB520S-30-TE61
D2594	307 205 2819	DIODE RB520S-30-TE61
D2596	307 205 2819	DIODE RB520S-30-TE61
D2597	307 205 2819	DIODE RB520S-30-TE61
D2598	307 205 2819	DIODE RB520S-30-TE61
D2599	307 205 2819	DIODE RB520S-30-TE61
D3508	407 266 1414	ZENER DIODE TDZTR10
D3514	407 251 2825	DIODE CMS14-TE12L
D3517	407 251 2825	DIODE CMS14-TE12L
MISCELLANEOUS		
K40A	645 094 0859	SOCKET,LVDS 51P
X7701	645 098 7137	OSC,CRYSTAL 25.000MHZ

AA801 610 345 6829 ASSY,PWB,MAIN KJ5AL

TRANSISTOR		
Q1001	305 217 8614	TR RN1105 TE85L
Q1003	305 217 8614	TR RN1105 TE85L
Q1021	305 217 8614	TR RN1105 TE85L
Q1061	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1071	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1083	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1091	305 217 5019	TR RN1117 TE85L
Q1215	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q1218	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1221	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1224	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1227	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1361	305 211 1918	TR RJU002N06
Q1363	305 211 1918	TR RJU002N06
Q1366	305 211 1918	TR RJU002N06
Q1368	305 211 1918	TR RJU002N06
Q1891	305 211 1918	TR RJU002N06
Q1892	305 211 1918	TR RJU002N06
Q1893	305 211 1918	TR RJU002N06
Q1894	305 211 1918	TR RJU002N06
Q2061	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2071	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2083	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R

Electrical Parts List

Key No.	Part No.	Description
	305 173 9915	TR 2SC3928A1S
Q2101	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q2103	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q2111	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q2113	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q2116	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q2801	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2802	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2811	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2812	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q3461	305 211 1918	TR RJU002N06
Q3462	305 211 1918	TR RJU002N06
Q4701	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4712	305 211 1918	TR RJU002N06
Q4713	305 211 1918	TR RJU002N06
Q4714	305 211 1918	TR RJU002N06
Q4721	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4722	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4726	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q4727	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4731	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q4742	305 211 1918	TR RJU002N06
Q4743	305 211 1918	TR RJU002N06
Q4744	305 211 1918	TR RJU002N06
Q4861	305 002 8327	TR 2SA1203-Y-TE12L
Q4862	305 217 4913	TR RN1111 TE85L
Q5201	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5202	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5291	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5292	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R

Electrical Parts List

Key No.	Part No.	Description
	305 173 9915	TR 2SC3928A1S
Q5293	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5294	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5296	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5297	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5298	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5299	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5307	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5311	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5312	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5313	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5361	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5366	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5367	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5368	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5371	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5376	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5391	305 217 5019	TR RN1117 TE85L
Q5396	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5397	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q5501	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5511	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0

Electrical Parts List

Key No.	Part No.	Description
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5561	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5621	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6291	305 211 1918	TR RJU002N06
Q6292	305 211 1918	TR RJU002N06
Q6296	305 211 1918	TR RJU002N06
Q6297	305 211 1918	TR RJU002N06
Q6511	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6531	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7801	305 211 1918	TR RJU002N06
Q7802	305 211 1918	TR RJU002N06
Q8091	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
	405 220 3115	TR ISA1235AC1E
	405 220 3016	TR ISA1235AC1F
Q8092	305 217 5019	TR RN1117 TE85L
Q8105	305 217 5019	TR RN1117 TE85L
INTEGRATED CIRCUIT		
IC1091	310 517 6809	IC TC74LVX4053FT
IC1096	309 462 0327	IC 24LC21AT/SN
IC1271	309 461 7317	IC AD8057ARTZ-REEL7
IC1281	309 461 7317	IC AD8057ARTZ-REEL7
IC1291	309 461 7317	IC AD8057ARTZ-REEL7
IC1301	410 691 1000	IC M29W128GL70N6E-1055
IC1311	410 643 4400	IC EDD2516AETA-5B-E
IC1331	410 643 4400	IC EDD2516AETA-5B-E
IC1341	310 616 3402	IC PST413A300NR
IC1371	309 439 8919	IC TC7WH125FU
IC1391	410 677 2304	IC 24LC128T-I/SN
IC1396	309 439 8919	IC TC7WH125FU
IC1801	309 671 7817	IC TE7783APF
	309 633 6117	IC TE7783PF
IC1861	310 595 8009	IC PQ1LAX95MSPQ
IC1871	309 439 8919	IC TC7WH125FU
IC1876	309 439 8919	IC TC7WH125FU
IC2121	309 461 7822	IC PQ20WZ11
IC2171	309 461 7317	IC AD8057ARTZ-REEL7
IC2181	309 461 7317	IC AD8057ARTZ-REEL7
IC2191	309 461 7317	IC AD8057ARTZ-REEL7
IC2301	409 700 7112	IC PW610-30GX
IC271	410 643 5100	IC PQ070XNB1ZPH
IC2801	309 359 1113	IC TC7W240FU-TE12L
IC281	310 595 8009	IC PQ1LAX95MSPQ
IC2811	309 359 1113	IC TC7W240FU-TE12L
IC291	310 595 8009	IC PQ1LAX95MSPQ
IC301	409 686 5317	IC PW392C-30L
IC3416	309 439 8919	IC TC7WH125FU
IC3417	309 439 8919	IC TC7WH125FU
IC3421	409 685 9415	IC MP2307DN
IC3431	310 595 8009	IC PQ1LAX95MSPQ
IC3441	310 595 8009	IC PQ1LAX95MSPQ
IC3461	309 672 9018	IC PCA9544APW
IC4402	310 596 0002	IC 74LVC1G125GW,125
IC4701	309 464 1411	IC TC74ACT14FT
IC4721	309 462 2420	IC TC7SZ08FU-(TE85L)
IC4731	309 464 1411	IC TC74ACT14FT
IC4761	310 595 8009	IC PQ1LAX95MSPQ
IC4771	309 644 3310	IC MXA2500EL
IC4791	310 595 8009	IC PQ1LAX95MSPQ
IC4801	409 685 9415	IC MP2307DN
IC4811	310 595 8009	IC PQ1LAX95MSPQ
IC4821	310 595 8009	IC PQ1LAX95MSPQ
IC4831	409 685 9415	IC MP2307DN
IC4841	310 595 8009	IC PQ1LAX95MSPQ
IC4851	410 643 5100	IC PQ070XNB1ZPH
IC4871	409 685 9415	IC MP2307DN
IC4881	410 643 5100	IC PQ070XNB1ZPH
IC4891	310 595 8009	IC PQ1LAX95MSPQ
IC5301	309 461 7317	IC AD8057ARTZ-REEL7
IC5321	309 484 2016	IC BA7078AF-E2
IC5341	309 462 2311	IC TC7SZ04FU-TE852
IC5346	309 462 2311	IC TC7SZ04FU-TE852
IC5391	309 400 7118	IC TC7W53FU-(TE12L)
IC5501	309 362 1127	IC BA6287F
IC5511	309 362 1127	IC BA6287F
IC5541	409 685 9415	IC MP2307DN
IC5551	309 394 9310	IC TC7SH14FU(TE85L)
IC5556	309 394 9310	IC TC7SH14FU(TE85L)
IC5561	309 362 1127	IC BA6287F
IC5581	409 684 3919	IC NJM2671E2(TE1)
IC5601	410 643 5100	IC PQ070XNB1ZPH
IC5611	310 595 8009	IC PQ1LAX95MSPQ
IC5808	309 644 5215	IC 74LVC1G04GW-125
	309 330 2511	IC TC7SH04FU-(TE85L)
IC5831	310 595 8009	IC PQ1LAX95MSPQ
IC5841	310 595 8009	IC PQ1LAX95MSPQ
IC6211	409 685 9415	IC MP2307DN
IC6221	310 595 8009	IC PQ1LAX95MSPQ
IC6231	310 595 8009	IC PQ1LAX95MSPQ
IC6251	310 337 0506	IC TC74LCX14FT
IC6271	309 400 9112	IC TC7SET08FU-(TE85L)
IC6272	309 368 5812	IC TC7SH08FU(TE85L)
IC6274	309 368 5812	IC TC7SH08FU(TE85L)
IC6288	309 400 9112	IC TC7SET08FU-(TE85L)
IC6289	309 368 5812	IC TC7SH08FU(TE85L)
IC6501	309 400 7118	IC TC7W53FU-(TE12L)
IC6511	309 537 6213	IC BA6920FP-YE2
IC6521	309 400 7118	IC TC7W53FU-(TE12L)
IC6531	309 537 6213	IC BA6920FP-YE2
IC6561	310 595 8009	IC PQ1LAX95MSPQ
IC6571	310 362 6504	IC TC74LCX541FT
IC7211	309 439 8919	IC TC7WH125FU
IC7251	410 643 5100	IC PQ070XNB1ZPH
IC7801	309 458 3414	IC M62393FP
IC8001	409 692 9514	IC SII9127CTU
IC8081	410 643 5100	IC PQ070XNB1ZPH

Electrical Parts List

Key No.	Part No.	Description		
IC8101	309 558 7213	IC 24C02CT-I/SNG		
IC8106	309 400 7118	IC TC7W53FU-(TE12L)		
IC8108	309 400 7118	IC TC7W53FU-(TE12L)		
IC9301	310 348 7402	IC TC74LCX125FT(EL)		
CAPACITOR				
C1028	303 409 3426	CERAMIC	0.1U K	16V
C1061	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1062	303 409 3426	CERAMIC	0.1U K	16V
C1071	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1072	303 409 3426	CERAMIC	0.1U K	16V
C1081	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1082	303 409 3426	CERAMIC	0.1U K	16V
C1091	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C1092	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1093	303 409 3426	CERAMIC	0.1U K	16V
C1096	303 409 3426	CERAMIC	0.1U K	16V
C1201	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1202	303 409 3426	CERAMIC	0.1U K	16V
C1203	303 276 1317	CERAMIC	1000P K	50V
C1204	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1205	303 375 7418	OS-SOLID	330U M	10V
C1206	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1207	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1208	303 409 3426	CERAMIC	0.1U K	16V
C1209	303 409 3426	CERAMIC	0.1U K	16V
C1211	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1212	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1213	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1216	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1217	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1218	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1221	303 305 4715	CERAMIC	330P J	50V
C1224	303 305 4715	CERAMIC	330P J	50V
C1227	303 305 4715	CERAMIC	330P J	50V
C1231	303 382 0716	ELECT	470U M	10V
	403 458 4515	ELECT	470U M	10V
C1232	303 409 3426	CERAMIC	0.1U K	16V
C1233	303 382 0716	ELECT	470U M	10V
	403 458 4515	ELECT	470U M	10V
C1234	303 409 3426	CERAMIC	0.1U K	16V
C1236	303 382 0716	ELECT	470U M	10V
	403 458 4515	ELECT	470U M	10V
C1237	303 409 3426	CERAMIC	0.1U K	16V
C1251	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C1252	303 409 3426	CERAMIC	0.1U K	16V
C1253	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1254	303 409 3426	CERAMIC	0.1U K	16V
C1271	303 445 0318	CERAMIC	8P G	50V
C1272	303 409 3426	CERAMIC	0.1U K	16V

Key No.	Part No.	Description		
C1273	303 279 6210	CERAMIC	10P J	50V
C1279	303 409 3426	CERAMIC	0.1U K	16V
C1281	303 445 0318	CERAMIC	8P G	50V
C1282	303 409 3426	CERAMIC	0.1U K	16V
C1283	303 279 6210	CERAMIC	10P J	50V
C1289	303 409 3426	CERAMIC	0.1U K	16V
C1291	303 445 0318	CERAMIC	8P G	50V
C1292	303 409 3426	CERAMIC	0.1U K	16V
C1293	303 279 6210	CERAMIC	10P J	50V
C1299	303 409 3426	CERAMIC	0.1U K	16V
C1301	303 409 3426	CERAMIC	0.1U K	16V
C1304	303 439 8412	CERAMIC	2.2U M	6.3V
C1311	303 409 3426	CERAMIC	0.1U K	16V
C1312	303 409 3426	CERAMIC	0.1U K	16V
C1313	303 409 3426	CERAMIC	0.1U K	16V
C1314	303 409 3426	CERAMIC	0.1U K	16V
C1316	303 409 3426	CERAMIC	0.1U K	16V
C1317	303 409 3426	CERAMIC	0.1U K	16V
C1318	303 409 3426	CERAMIC	0.1U K	16V
C1319	303 409 3426	CERAMIC	0.1U K	16V
C1321	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1322	303 409 3426	CERAMIC	0.1U K	16V
C1323	303 409 3426	CERAMIC	0.1U K	16V
C1324	303 409 3426	CERAMIC	0.1U K	16V
C1326	303 409 3426	CERAMIC	0.1U K	16V
C1327	303 409 3426	CERAMIC	0.1U K	16V
C1328	303 409 3426	CERAMIC	0.1U K	16V
C1331	303 409 3426	CERAMIC	0.1U K	16V
C1332	303 409 3426	CERAMIC	0.1U K	16V
C1333	303 409 3426	CERAMIC	0.1U K	16V
C1334	303 409 3426	CERAMIC	0.1U K	16V
C1336	303 409 3426	CERAMIC	0.1U K	16V
C1337	303 409 3426	CERAMIC	0.1U K	16V
C1338	303 409 3426	CERAMIC	0.1U K	16V
C1339	303 409 3426	CERAMIC	0.1U K	16V
C1341	303 409 3426	CERAMIC	0.1U K	16V
C1342	303 441 9810	CERAMIC	0.01U K	50V
C1343	303 276 1317	CERAMIC	1000P K	50V
C1351	303 276 1911	CERAMIC	22P J	50V
C1352	303 309 2519	CERAMIC	27P J	50V
C1371	303 409 3426	CERAMIC	0.1U K	16V
C1381	303 276 3113	CERAMIC	33P J	50V
C1382	303 276 3113	CERAMIC	33P J	50V
C1383	303 409 3426	CERAMIC	0.1U K	16V
C1391	303 409 3426	CERAMIC	0.1U K	16V
C1397	303 409 3426	CERAMIC	0.1U K	16V
C1801	303 276 2819	CERAMIC	18P J	50V
C1802	303 276 2819	CERAMIC	18P J	50V
C1806	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C1807	303 409 3426	CERAMIC	0.1U K	16V
C1808	303 409 3426	CERAMIC	0.1U K	16V
C1809	303 409 3426	CERAMIC	0.1U K	16V
C1811	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C1812	303 409 3426	CERAMIC	0.1U K	16V
C1813	303 409 3426	CERAMIC	0.1U K	16V
C1814	303 409 3426	CERAMIC	0.1U K	16V
C1816	303 409 3426	CERAMIC	0.1U K	16V
C1817	303 409 3426	CERAMIC	0.1U K	16V
C1818	303 409 3426	CERAMIC	0.1U K	16V
C1819	303 409 3426	CERAMIC	0.1U K	16V
C1821	303 409 3426	CERAMIC	0.1U K	16V
C1822	303 409 3426	CERAMIC	0.1U K	16V
C1823	303 409 3426	CERAMIC	0.1U K	16V
C1824	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C1826	303 409 3426	CERAMIC	0.1U K	16V
C1861	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1862	303 409 3426	CERAMIC	0.1U K	16V
C1863	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C1866	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C1867	303 409 3426	CERAMIC	0.1U K	16V
C1871	303 409 3426	CERAMIC	0.1U K	16V
C1876	303 409 3426	CERAMIC	0.1U K	16V
C1891	303 409 3426	CERAMIC	0.1U K	16V
C201	303 276 1911	CERAMIC	22P J	50V
C202	303 276 1911	CERAMIC	22P J	50V
C203	303 409 3426	CERAMIC	0.1U K	16V
C206	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2061	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2062	303 409 3426	CERAMIC	0.1U K	16V
C207	303 409 3426	CERAMIC	0.1U K	16V
C2071	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2072	303 409 3426	CERAMIC	0.1U K	16V
C208	303 409 3426	CERAMIC	0.1U K	16V
C2081	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2082	303 409 3426	CERAMIC	0.1U K	16V
C209	303 409 3426	CERAMIC	0.1U K	16V
C211	303 409 3426	CERAMIC	0.1U K	16V
C212	303 409 3426	CERAMIC	0.1U K	16V
C2121	303 397 6512	ELECT	47U M	16V
C2122	303 409 3426	CERAMIC	0.1U K	16V
C2123	303 397 6512	ELECT	47U M	16V
C213	303 409 3426	CERAMIC	0.1U K	16V
C214	303 409 3426	CERAMIC	0.1U K	16V
C2151	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C2152	303 409 3426	CERAMIC	0.1U K	16V
C2153	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2154	303 409 3426	CERAMIC	0.1U K	16V
C216	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C217	303 409 3426	CERAMIC	0.1U K	16V
C2171	303 445 0318	CERAMIC	8P G	50V
C2172	303 409 3426	CERAMIC	0.1U K	16V
C2173	303 279 6210	CERAMIC	10P J	50V
C2179	303 409 3426	CERAMIC	0.1U K	16V
C218	303 409 3426	CERAMIC	0.1U K	16V
C2181	303 445 0318	CERAMIC	8P G	50V
C2182	303 409 3426	CERAMIC	0.1U K	16V
C2183	303 279 6210	CERAMIC	10P J	50V
C2189	303 409 3426	CERAMIC	0.1U K	16V
C219	303 409 3426	CERAMIC	0.1U K	16V
C2191	303 445 0318	CERAMIC	8P G	50V
C2192	303 409 3426	CERAMIC	0.1U K	16V
C2193	303 279 6210	CERAMIC	10P J	50V
C2199	303 409 3426	CERAMIC	0.1U K	16V
C2201	303 305 8515	CERAMIC	15P J	50V
C2202	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2203	303 409 3426	CERAMIC	0.1U K	16V
C2204	303 409 3426	CERAMIC	0.1U K	16V
C2205	303 375 7418	OS-SOLID	330U M	10V
C2206	303 409 3426	CERAMIC	0.1U K	16V
C2207	303 409 3426	CERAMIC	0.1U K	16V
C2208	303 409 3426	CERAMIC	0.1U K	16V
C2209	303 409 3426	CERAMIC	0.1U K	16V
C221	303 409 3426	CERAMIC	0.1U K	16V
C2211	303 409 3426	CERAMIC	0.1U K	16V
C2212	303 409 3426	CERAMIC	0.1U K	16V
C2213	303 381 5316	ELECT	100U M	16V
	303 427 8417	ELECT	100U M	16V
C2214	303 409 3426	CERAMIC	0.1U K	16V
C222	303 409 3426	CERAMIC	0.1U K	16V
C2221	303 439 8412	CERAMIC	2.2U M	6.3V
C2222	303 439 8412	CERAMIC	2.2U M	6.3V
C2223	303 439 8412	CERAMIC	2.2U M	6.3V
C2224	303 439 8412	CERAMIC	2.2U M	6.3V
C2226	303 439 8412	CERAMIC	2.2U M	6.3V
C2227	303 439 8412	CERAMIC	2.2U M	6.3V
C2229	303 439 8412	CERAMIC	2.2U M	6.3V
C2231	303 439 8412	CERAMIC	2.2U M	6.3V
C2232	303 439 8412	CERAMIC	2.2U M	6.3V
C2233	303 439 8412	CERAMIC	2.2U M	6.3V
C2234	303 439 8412	CERAMIC	2.2U M	6.3V
C2236	303 439 8412	CERAMIC	2.2U M	6.3V
C2237	303 439 8412	CERAMIC	2.2U M	6.3V
C2238	303 439 8412	CERAMIC	2.2U M	6.3V
C2239	303 439 8412	CERAMIC	2.2U M	6.3V
C2241	303 439 8412	CERAMIC	2.2U M	6.3V
C2242	303 439 8412	CERAMIC	2.2U M	6.3V
C2243	303 439 8412	CERAMIC	2.2U M	6.3V
C2244	303 424 7017	CERAMIC	0.047U K	25V
C2246	303 424 7017	CERAMIC	0.047U K	25V
C2247	303 424 7017	CERAMIC	0.047U K	25V
C2248	303 424 7017	CERAMIC	0.047U K	25V
C2249	303 424 7017	CERAMIC	0.047U K	25V
C2251	303 424 7017	CERAMIC	0.047U K	25V
C2252	303 424 7017	CERAMIC	0.047U K	25V
C2253	303 424 7017	CERAMIC	0.047U K	25V
C2254	303 441 9810	CERAMIC	0.01U K	50V
C2256	303 441 9810	CERAMIC	0.01U K	50V
C2257	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2258	303 441 9810	CERAMIC	0.01U K	50V
C2259	303 441 9810	CERAMIC	0.01U K	50V
C226	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2261	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2262	303 409 3426	CERAMIC	0.1U K	16V
C2263	303 409 3426	CERAMIC	0.1U K	16V
C2266	303 439 8412	CERAMIC	2.2U M	6.3V
C2267	303 439 8412	CERAMIC	2.2U M	6.3V
C2268	303 439 8412	CERAMIC	2.2U M	6.3V
C227	303 409 3426	CERAMIC	0.1U K	16V
C2271	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2272	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2273	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2274	303 439 8412	CERAMIC	2.2U M	6.3V
C2276	303 439 8412	CERAMIC	2.2U M	6.3V
C2277	303 439 8412	CERAMIC	2.2U M	6.3V
C2278	303 439 8412	CERAMIC	2.2U M	6.3V
C2279	303 439 8412	CERAMIC	2.2U M	6.3V
C228	303 409 3426	CERAMIC	0.1U K	16V
C2281	303 439 8412	CERAMIC	2.2U M	6.3V
C2282	303 439 8412	CERAMIC	2.2U M	6.3V
C2283	303 439 8412	CERAMIC	2.2U M	6.3V
C2284	303 439 8412	CERAMIC	2.2U M	6.3V

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Key No.	Part No.	Description		
C2286	303 439 8412	CERAMIC	2.2U M	6.3V
C2287	303 439 8412	CERAMIC	2.2U M	6.3V
C229	303 409 3426	CERAMIC	0.1U K	16V
C2291	303 439 8412	CERAMIC	2.2U M	6.3V
C2292	303 439 8412	CERAMIC	2.2U M	6.3V
C2293	303 439 8412	CERAMIC	2.2U M	6.3V
C2294	303 439 8412	CERAMIC	2.2U M	6.3V
C2301	303 309 2519	CERAMIC	27P J	50V
C2302	303 276 3113	CERAMIC	33P J	50V
C2303	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2304	303 409 3426	CERAMIC	0.1U K	16V
C2306	303 409 3426	CERAMIC	0.1U K	16V
C2307	303 409 3426	CERAMIC	0.1U K	16V
C2308	303 409 3426	CERAMIC	0.1U K	16V
C2309	303 409 3426	CERAMIC	0.1U K	16V
C231	303 409 3426	CERAMIC	0.1U K	16V
C2311	303 409 3426	CERAMIC	0.1U K	16V
C2312	303 409 3426	CERAMIC	0.1U K	16V
C2313	303 409 3426	CERAMIC	0.1U K	16V
C2314	303 409 3426	CERAMIC	0.1U K	16V
C2316	303 409 3426	CERAMIC	0.1U K	16V
C2317	303 409 3426	CERAMIC	0.1U K	16V
C2318	303 409 3426	CERAMIC	0.1U K	16V
C2319	303 409 3426	CERAMIC	0.1U K	16V
C232	303 409 3426	CERAMIC	0.1U K	16V
C2321	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2322	303 409 3426	CERAMIC	0.1U K	16V
C2323	303 409 3426	CERAMIC	0.1U K	16V
C2324	303 409 3426	CERAMIC	0.1U K	16V
C2326	303 409 3426	CERAMIC	0.1U K	16V
C2327	303 409 3426	CERAMIC	0.1U K	16V
C2328	303 409 3426	CERAMIC	0.1U K	16V
C2329	303 409 3426	CERAMIC	0.1U K	16V
C233	303 409 3426	CERAMIC	0.1U K	16V
C2331	303 409 3426	CERAMIC	0.1U K	16V
C2332	303 409 3426	CERAMIC	0.1U K	16V
C2333	303 409 3426	CERAMIC	0.1U K	16V
C2334	303 409 3426	CERAMIC	0.1U K	16V
C2336	303 409 3426	CERAMIC	0.1U K	16V
C2338	303 305 4715	CERAMIC	330P J	50V
C2341	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2342	303 409 3426	CERAMIC	0.1U K	16V
C2343	303 409 3426	CERAMIC	0.1U K	16V
C2344	303 409 3426	CERAMIC	0.1U K	16V
C2346	303 409 3426	CERAMIC	0.1U K	16V
C2347	303 409 3426	CERAMIC	0.1U K	16V
C2348	303 409 3426	CERAMIC	0.1U K	16V
C2351	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2352	303 409 3426	CERAMIC	0.1U K	16V
C2353	303 409 3426	CERAMIC	0.1U K	16V
C2354	303 409 3426	CERAMIC	0.1U K	16V
C2355	303 409 3426	CERAMIC	0.1U K	16V
C2356	303 409 3426	CERAMIC	0.1U K	16V
C2357	303 409 3426	CERAMIC	0.1U K	16V
C2358	303 409 3426	CERAMIC	0.1U K	16V
C2359	303 409 3426	CERAMIC	0.1U K	16V
C236	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2361	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2362	303 409 3426	CERAMIC	0.1U K	16V
C2363	303 409 3426	CERAMIC	0.1U K	16V
C2364	303 409 3426	CERAMIC	0.1U K	16V
C2366	303 409 3426	CERAMIC	0.1U K	16V
C2367	303 409 3426	CERAMIC	0.1U K	16V
C2368	303 409 3426	CERAMIC	0.1U K	16V
C2369	303 409 3426	CERAMIC	0.1U K	16V
C237	303 409 3426	CERAMIC	0.1U K	16V
C2371	303 409 3426	CERAMIC	0.1U K	16V
C2372	303 409 3426	CERAMIC	0.1U K	16V
C2373	303 409 3426	CERAMIC	0.1U K	16V
C2374	303 409 3426	CERAMIC	0.1U K	16V
C2376	303 409 3426	CERAMIC	0.1U K	16V
C2377	303 409 3426	CERAMIC	0.1U K	16V
C2378	303 409 3426	CERAMIC	0.1U K	16V
C2379	303 409 3426	CERAMIC	0.1U K	16V
C238	303 409 3426	CERAMIC	0.1U K	16V
C2381	303 409 3426	CERAMIC	0.1U K	16V
C2382	303 409 3426	CERAMIC	0.1U K	16V
C2383	303 409 3426	CERAMIC	0.1U K	16V
C2386	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2387	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2388	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C239	303 409 3426	CERAMIC	0.1U K	16V
C2391	303 409 3426	CERAMIC	0.1U K	16V
C2392	303 409 3426	CERAMIC	0.1U K	16V
C2393	303 409 3426	CERAMIC	0.1U K	16V
C241	303 409 3426	CERAMIC	0.1U K	16V
C242	303 409 3426	CERAMIC	0.1U K	16V
C251	303 409 3426	CERAMIC	0.1U K	16V
C252	303 409 3426	CERAMIC	0.1U K	16V
C254	303 409 3426	CERAMIC	0.1U K	16V
C256	303 409 3426	CERAMIC	0.1U K	16V
C257	303 409 3426	CERAMIC	0.1U K	16V
C259	303 409 3426	CERAMIC	0.1U K	16V
C261	303 409 3426	CERAMIC	0.1U K	16V
C262	303 409 3426	CERAMIC	0.1U K	16V
C263	303 441 9810	CERAMIC	0.01U K	50V
C264	303 409 3426	CERAMIC	0.1U K	16V
C266	303 409 3426	CERAMIC	0.1U K	16V
C267	303 409 3426	CERAMIC	0.1U K	16V
C268	303 441 9810	CERAMIC	0.01U K	50V
C269	303 409 3426	CERAMIC	0.1U K	16V
C271	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C272	303 409 3426	CERAMIC	0.1U K	16V
C273	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C2801	303 409 3426	CERAMIC	0.1U K	16V
C281	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2811	303 409 3426	CERAMIC	0.1U K	16V
C282	303 409 3426	CERAMIC	0.1U K	16V
C2826	403 456 4210	CERAMIC	470P J	50V
C2829	403 456 4210	CERAMIC	470P J	50V
C283	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C2836	403 456 4210	CERAMIC	470P J	50V
C2841	303 155 2114	CERAMIC	1500P K	50V
C2842	303 155 2114	CERAMIC	1500P K	50V
C2843	303 155 2114	CERAMIC	1500P K	50V
C2844	303 155 2114	CERAMIC	1500P K	50V
C2846	303 155 2114	CERAMIC	1500P K	50V
C2847	303 155 2114	CERAMIC	1500P K	50V
C2848	303 155 2114	CERAMIC	1500P K	50V
C2849	303 155 2114	CERAMIC	1500P K	50V
C2851	303 155 2114	CERAMIC	1500P K	50V

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Key No.	Part No.	Description		
C2852	303 155 2114	CERAMIC	1500P K	50V
C2853	303 155 2114	CERAMIC	1500P K	50V
C2854	303 155 2114	CERAMIC	1500P K	50V
C2856	303 155 2114	CERAMIC	1500P K	50V
C2857	303 155 2114	CERAMIC	1500P K	50V
C2858	303 155 2114	CERAMIC	1500P K	50V
C2859	303 155 2114	CERAMIC	1500P K	50V
C291	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C292	303 409 3426	CERAMIC	0.1U K	16V
C293	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C301	303 409 3426	CERAMIC	0.1U K	16V
C302	303 409 3426	CERAMIC	0.1U K	16V
C303	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C304	303 409 3426	CERAMIC	0.1U K	16V
C305	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C306	303 409 3426	CERAMIC	0.1U K	16V
C307	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C308	303 409 3426	CERAMIC	0.1U K	16V
C309	303 409 3426	CERAMIC	0.1U K	16V
C311	303 409 3426	CERAMIC	0.1U K	16V
C312	303 409 3426	CERAMIC	0.1U K	16V
C313	303 409 3426	CERAMIC	0.1U K	16V
C316	303 409 3426	CERAMIC	0.1U K	16V
C318	303 409 3426	CERAMIC	0.1U K	16V
C319	303 409 3426	CERAMIC	0.1U K	16V
C321	303 409 3426	CERAMIC	0.1U K	16V
C322	303 409 3426	CERAMIC	0.1U K	16V
C323	303 409 3426	CERAMIC	0.1U K	16V
C327	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C328	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C331	303 409 3426	CERAMIC	0.1U K	16V
C332	303 409 3426	CERAMIC	0.1U K	16V
C333	303 409 3426	CERAMIC	0.1U K	16V
C334	303 409 3426	CERAMIC	0.1U K	16V
C336	303 409 3426	CERAMIC	0.1U K	16V
C337	303 409 3426	CERAMIC	0.1U K	16V
C338	303 409 3426	CERAMIC	0.1U K	16V
C339	303 409 3426	CERAMIC	0.1U K	16V
C3401	303 409 3426	CERAMIC	0.1U K	16V
C3402	303 409 3426	CERAMIC	0.1U K	16V
C3403	303 409 3426	CERAMIC	0.1U K	16V
C3404	303 409 3426	CERAMIC	0.1U K	16V
C3406	303 409 3426	CERAMIC	0.1U K	16V
C3407	303 409 3426	CERAMIC	0.1U K	16V
C3408	303 409 3426	CERAMIC	0.1U K	16V
C3409	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C341	303 409 3426	CERAMIC	0.1U K	16V
C3416	303 409 3426	CERAMIC	0.1U K	16V
C3417	303 409 3426	CERAMIC	0.1U K	16V
C342	303 409 3426	CERAMIC	0.1U K	16V
C3421	403 455 1616	CERAMIC	10U K	16V
C3422	403 455 1616	CERAMIC	10U K	16V
C3424	303 409 3426	CERAMIC	0.1U K	16V
C3426	303 441 9810	CERAMIC	0.01U K	50V
C3428	303 409 3426	CERAMIC	0.1U K	16V
C3429	303 450 7012	CERAMIC	47U K	10V
C343	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3431	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3432	303 409 3426	CERAMIC	0.1U K	16V
C3436	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3437	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C3438	303 409 3426	CERAMIC	0.1U K	16V
C344	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3441	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3442	303 409 3426	CERAMIC	0.1U K	16V
C3446	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C3447	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C3448	303 409 3426	CERAMIC	0.1U K	16V
C3451	303 409 3426	CERAMIC	0.1U K	16V
C3453	303 409 3426	CERAMIC	0.1U K	16V
C3454	303 409 3426	CERAMIC	0.1U K	16V
C3456	303 409 3426	CERAMIC	0.1U K	16V
C3457	303 409 3426	CERAMIC	0.1U K	16V
C3459	303 409 3426	CERAMIC	0.1U K	16V
C346	303 409 3426	CERAMIC	0.1U K	16V
C3462	303 409 3426	CERAMIC	0.1U K	16V
C3464	303 409 3426	CERAMIC	0.1U K	16V
C3466	303 409 3426	CERAMIC	0.1U K	16V
C3469	303 409 3426	CERAMIC	0.1U K	16V
C347	303 409 3426	CERAMIC	0.1U K	16V
C3471	303 409 3426	CERAMIC	0.1U K	16V
C3472	303 409 3426	CERAMIC	0.1U K	16V
C3479	303 409 3426	CERAMIC	0.1U K	16V
C348	303 409 3426	CERAMIC	0.1U K	16V
C3486	303 409 3426	CERAMIC	0.1U K	16V
C3487	303 409 3426	CERAMIC	0.1U K	16V
C349	303 409 3426	CERAMIC	0.1U K	16V
C351	303 409 3426	CERAMIC	0.1U K	16V
C352	303 409 3426	CERAMIC	0.1U K	16V
C353	303 409 3426	CERAMIC	0.1U K	16V
C354	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C356	303 409 3426	CERAMIC	0.1U K	16V
C357	303 409 3426	CERAMIC	0.1U K	16V
C358	303 409 3426	CERAMIC	0.1U K	16V
C359	303 409 3426	CERAMIC	0.1U K	16V
C361	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C362	303 409 3426	CERAMIC	0.1U K	16V
C363	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C364	303 409 3426	CERAMIC	0.1U K	16V
C366	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C367	303 409 3426	CERAMIC	0.1U K	16V
C368	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C369	303 409 3426	CERAMIC	0.1U K	16V
C371	303 409 3426	CERAMIC	0.1U K	16V
C372	303 409 3426	CERAMIC	0.1U K	16V
C373	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C374	303 409 3426	CERAMIC	0.1U K	16V
C376	303 409 3426	CERAMIC	0.1U K	16V
C377	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C378	303 409 3426	CERAMIC	0.1U K	16V
C379	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C381	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C382	303 409 3426	CERAMIC	0.1U K	16V
C383	303 409 3426	CERAMIC	0.1U K	16V
C384	303 409 3426	CERAMIC	0.1U K	16V
C385	303 409 3426	CERAMIC	0.1U K	16V
C386	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C387	303 409 3426	CERAMIC	0.1U K	16V
C388	303 409 3426	CERAMIC	0.1U K	16V
C389	303 409 3426	CERAMIC	0.1U K	16V
C391	303 409 3426	CERAMIC	0.1U K	16V
C392	303 409 3426	CERAMIC	0.1U K	16V
C393	303 409 3426	CERAMIC	0.1U K	16V
C394	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C395	303 409 3426	CERAMIC	0.1U K	16V
C396	303 409 3426	CERAMIC	0.1U K	16V
C397	303 409 3426	CERAMIC	0.1U K	16V
C399	303 409 3426	CERAMIC	0.1U K	16V
C4401	303 409 3426	CERAMIC	0.1U K	16V
C4402	303 409 3426	CERAMIC	0.1U K	16V
C4403	303 409 3426	CERAMIC	0.1U K	16V
C4404	303 409 3426	CERAMIC	0.1U K	16V
C4406	303 409 3426	CERAMIC	0.1U K	16V
C4407	303 409 3426	CERAMIC	0.1U K	16V
C4408	303 409 3426	CERAMIC	0.1U K	16V
C4409	303 409 3426	CERAMIC	0.1U K	16V
C4411	303 409 3426	CERAMIC	0.1U K	16V
C4412	303 409 3426	CERAMIC	0.1U K	16V
C4413	303 409 3426	CERAMIC	0.1U K	16V
C4414	303 409 3426	CERAMIC	0.1U K	16V
C4416	303 409 3426	CERAMIC	0.1U K	16V
C4417	303 409 3426	CERAMIC	0.1U K	16V
C4418	303 409 3426	CERAMIC	0.1U K	16V
C4419	303 409 3426	CERAMIC	0.1U K	16V
C4421	303 409 3426	CERAMIC	0.1U K	16V
C4422	303 409 3426	CERAMIC	0.1U K	16V
C4423	303 409 3426	CERAMIC	0.1U K	16V
C4424	303 409 3426	CERAMIC	0.1U K	16V
C4426	303 409 3426	CERAMIC	0.1U K	16V
C4427	303 409 3426	CERAMIC	0.1U K	16V
C4428	303 409 3426	CERAMIC	0.1U K	16V
C4429	303 409 3426	CERAMIC	0.1U K	16V
C4431	303 409 3426	CERAMIC	0.1U K	16V
C4432	303 409 3426	CERAMIC	0.1U K	16V
C4433	303 409 3426	CERAMIC	0.1U K	16V
C4434	303 409 3426	CERAMIC	0.1U K	16V
C4436	303 409 3426	CERAMIC	0.1U K	16V
C4437	303 409 3426	CERAMIC	0.1U K	16V
C4438	303 409 3426	CERAMIC	0.1U K	16V
C4439	303 409 3426	CERAMIC	0.1U K	16V
C4441	303 409 3426	CERAMIC	0.1U K	16V
C4442	303 409 3426	CERAMIC	0.1U K	16V
C4443	303 409 3426	CERAMIC	0.1U K	16V
C4444	303 409 3426	CERAMIC	0.1U K	16V
C4446	303 409 3426	CERAMIC	0.1U K	16V
C4448	303 409 3426	CERAMIC	0.1U K	16V
C4451	303 409 3426	CERAMIC	0.1U K	16V
C4452	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4453	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4454	303 409 3426	CERAMIC	0.1U K	16V
C4456	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4457	303 409 3426	CERAMIC	0.1U K	16V
C4458	303 409 3426	CERAMIC	0.1U K	16V
C4459	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4474	303 409 3426	CERAMIC	0.1U K	16V
C4476	303 409 3426	CERAMIC	0.1U K	16V
C4477	303 409 3426	CERAMIC	0.1U K	16V
C4478	303 409 3426	CERAMIC	0.1U K	16V
C4483	303 409 3426	CERAMIC	0.1U K	16V
C4484	303 409 3426	CERAMIC	0.1U K	16V
C4486	303 409 3426	CERAMIC	0.1U K	16V
C4491	303 409 3426	CERAMIC	0.1U K	16V
C4492	303 409 3426	CERAMIC	0.1U K	16V
C4495	303 409 3426	CERAMIC	0.1U K	16V
C4496	303 409 3426	CERAMIC	0.1U K	16V
C4497	303 409 3426	CERAMIC	0.1U K	16V
C4498	303 409 3426	CERAMIC	0.1U K	16V
C4701	303 409 3426	CERAMIC	0.1U K	16V
C4713	303 409 3426	CERAMIC	0.1U K	16V
C4721	303 409 3426	CERAMIC	0.1U K	16V
C4722	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4726	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4728	303 409 3426	CERAMIC	0.1U K	16V
C4729	303 409 3426	CERAMIC	0.1U K	16V
C4731	303 409 3426	CERAMIC	0.1U K	16V
C4743	303 409 3426	CERAMIC	0.1U K	16V
C4761	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4762	303 409 3426	CERAMIC	0.1U K	16V
C4766	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4767	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C4768	303 409 3426	CERAMIC	0.1U K	16V
C4771	303 409 3426	CERAMIC	0.1U K	16V
C4772	303 409 3426	CERAMIC	0.1U K	16V
C4773	303 376 6311	CERAMIC	0.47U K	10V
C4774	303 376 6311	CERAMIC	0.47U K	10V
C4781	303 409 3426	CERAMIC	0.1U K	16V
C4782	303 282 5118	CERAMIC	470P K	50V
C4791	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4792	303 409 3426	CERAMIC	0.1U K	16V
C4796	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4797	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C4798	303 409 3426	CERAMIC	0.1U K	16V
C4801	403 455 1616	CERAMIC	10U K	16V
C4802	403 455 1616	CERAMIC	10U K	16V
C4804	303 441 9810	CERAMIC	0.01U K	50V
C4806	303 409 3426	CERAMIC	0.1U K	16V
C4808	303 409 3426	CERAMIC	0.1U K	16V
C4809	303 450 7012	CERAMIC	47U K	10V
C4811	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4812	303 409 3426	CERAMIC	0.1U K	16V
C4813	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4816	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C4817	303 409 3426	CERAMIC	0.1U K	16V
C4821	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4822	303 409 3426	CERAMIC	0.1U K	16V
C4823	403 455 1012	CERAMIC	1U K	10V

Electrical Parts List

Key No.	Part No.	Description		
	303 433 1112	CERAMIC	1U K	10V
C4826	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C4827	303 409 3426	CERAMIC	0.1U K	16V
C4831	403 455 1616	CERAMIC	10U K	16V
C4832	403 455 1616	CERAMIC	10U K	16V
C4833	303 372 7510	CERAMIC	2.2U K	6.3V
C4834	303 441 9810	CERAMIC	0.01U K	50V
C4836	303 409 3426	CERAMIC	0.1U K	16V
C4838	303 409 3426	CERAMIC	0.1U K	16V
C4839	303 450 7012	CERAMIC	47U K	10V
C4840	303 341 3918	POS-SOLID	100U M	6.3V
C4841	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4842	303 409 3426	CERAMIC	0.1U K	16V
C4843	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4846	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C4847	303 409 3426	CERAMIC	0.1U K	16V
C4851	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4853	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4856	303 341 3918	POS-SOLID	100U M	6.3V
C4861	303 409 3426	CERAMIC	0.1U K	16V
C4871	403 455 1616	CERAMIC	10U K	16V
C4872	403 455 1616	CERAMIC	10U K	16V
C4873	303 409 3426	CERAMIC	0.1U K	16V
C4874	303 409 3426	CERAMIC	0.1U K	16V
C4875	303 441 9810	CERAMIC	0.01U K	50V
C4877	303 409 3426	CERAMIC	0.1U K	16V
C4878	303 450 7012	CERAMIC	47U K	10V
C4881	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4882	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4883	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4891	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C4892	303 409 3426	CERAMIC	0.1U K	16V
C4896	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5201	303 409 3426	CERAMIC	0.1U K	16V
C5202	303 409 3426	CERAMIC	0.1U K	16V
C5203	303 409 3426	CERAMIC	0.1U K	16V
C5204	303 409 3426	CERAMIC	0.1U K	16V
C5206	303 409 3426	CERAMIC	0.1U K	16V
C5207	303 409 3426	CERAMIC	0.1U K	16V
C5208	303 409 3426	CERAMIC	0.1U K	16V
C5209	303 409 3426	CERAMIC	0.1U K	16V
C5211	303 409 3426	CERAMIC	0.1U K	16V
C5212	303 409 3426	CERAMIC	0.1U K	16V
C5213	303 409 3426	CERAMIC	0.1U K	16V
C5214	303 409 3426	CERAMIC	0.1U K	16V
C5216	303 409 3426	CERAMIC	0.1U K	16V
C5217	303 409 3426	CERAMIC	0.1U K	16V
C5218	303 409 3426	CERAMIC	0.1U K	16V
C5219	303 409 3426	CERAMIC	0.1U K	16V
C5221	303 409 3426	CERAMIC	0.1U K	16V
C5222	303 409 3426	CERAMIC	0.1U K	16V
C5223	303 409 3426	CERAMIC	0.1U K	16V
C5224	303 409 3426	CERAMIC	0.1U K	16V
C5226	303 409 3426	CERAMIC	0.1U K	16V
C5227	303 409 3426	CERAMIC	0.1U K	16V
C5228	303 409 3426	CERAMIC	0.1U K	16V
C5229	303 409 3426	CERAMIC	0.1U K	16V
C5231	303 409 3426	CERAMIC	0.1U K	16V
C5232	303 409 3426	CERAMIC	0.1U K	16V
C5233	303 409 3426	CERAMIC	0.1U K	16V
C5234	303 409 3426	CERAMIC	0.1U K	16V
C5236	303 409 3426	CERAMIC	0.1U K	16V
C5237	303 409 3426	CERAMIC	0.1U K	16V
C5238	303 409 3426	CERAMIC	0.1U K	16V
C5239	303 409 3426	CERAMIC	0.1U K	16V
C5241	303 409 3426	CERAMIC	0.1U K	16V
C5242	303 409 3426	CERAMIC	0.1U K	16V
C5243	303 409 3426	CERAMIC	0.1U K	16V
C5244	303 409 3426	CERAMIC	0.1U K	16V
C5246	303 409 3426	CERAMIC	0.1U K	16V
C5247	303 409 3426	CERAMIC	0.1U K	16V
C5248	303 409 3426	CERAMIC	0.1U K	16V
C5249	303 409 3426	CERAMIC	0.1U K	16V
C5251	303 409 3426	CERAMIC	0.1U K	16V
C5252	303 409 3426	CERAMIC	0.1U K	16V
C5253	303 409 3426	CERAMIC	0.1U K	16V
C5254	303 409 3426	CERAMIC	0.1U K	16V
C5255	303 409 3426	CERAMIC	0.1U K	16V
C5256	303 409 3426	CERAMIC	0.1U K	16V
C5257	303 409 3426	CERAMIC	0.1U K	16V
C5258	303 409 3426	CERAMIC	0.1U K	16V
C5259	303 409 3426	CERAMIC	0.1U K	16V
C5301	303 439 8412	CERAMIC	2.2U M	6.3V
C5302	303 314 5314	CERAMIC	5P C	50V
C5303	303 409 3426	CERAMIC	0.1U K	16V
C5304	303 409 3426	CERAMIC	0.1U K	16V
C5306	303 409 3426	CERAMIC	0.1U K	16V
C5307	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5308	303 409 3426	CERAMIC	0.1U K	16V
C5313	303 409 3426	CERAMIC	0.1U K	16V
C5321	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C5322	303 409 3426	CERAMIC	0.1U K	16V
C5323	303 409 3426	CERAMIC	0.1U K	16V
C5324	303 294 6110	CERAMIC	100P J	50V
C5326	303 449 3018	CERAMIC	0.68U K	10V
C5327	303 439 8412	CERAMIC	2.2U M	6.3V
C5328	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5331	303 439 8412	CERAMIC	2.2U M	6.3V
C5332	303 376 6311	CERAMIC	0.47U K	10V
C5333	303 376 6311	CERAMIC	0.47U K	10V
C5341	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C5342	303 409 3426	CERAMIC	0.1U K	16V
C5346	303 409 3426	CERAMIC	0.1U K	16V
C5361	303 439 8412	CERAMIC	2.2U M	6.3V
C5366	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5367	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C5371	303 309 2519	CERAMIC	27P J	50V
C5372	303 320 0419	CERAMIC	68P J	50V
C5373	303 294 6110	CERAMIC	100P J	50V
C5391	303 409 3426	CERAMIC	0.1U K	16V
C5392	303 409 3426	CERAMIC	0.1U K	16V
C5501	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
C5502	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
C5506	303 409 3426	CERAMIC	0.1U K	16V
C5511	303 396 9613	CERAMIC	1U K	25V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
	303 397 7618	CERAMIC	1U K	25V		303 419 5219	ELECT	47.0UM	25V
C5512	303 396 9613	CERAMIC	1U K	25V		403 458 6618	ELECT	47U M	25V
	303 397 7618	CERAMIC	1U K	25V	C5653	303 401 4312	ELECT	47U M	25V
C5516	303 409 3426	CERAMIC	0.1U K	16V		303 419 5219	ELECT	47.0UM	25V
C5521	303 409 3426	CERAMIC	0.1U K	16V		403 458 6618	ELECT	47U M	25V
C5531	303 409 3426	CERAMIC	0.1U K	16V	C5654	303 401 4312	ELECT	47U M	25V
C5532	303 409 3426	CERAMIC	0.1U K	16V		303 419 5219	ELECT	47.0UM	25V
C5533	303 409 3426	CERAMIC	0.1U K	16V		403 458 6618	ELECT	47U M	25V
C5534	303 409 3426	CERAMIC	0.1U K	16V	C5655	303 401 4312	ELECT	47U M	25V
C5536	303 409 3426	CERAMIC	0.1U K	16V		303 419 5219	ELECT	47.0UM	25V
C5541	403 455 1616	CERAMIC	10U K	16V		403 458 6618	ELECT	47U M	25V
C5542	403 455 1616	CERAMIC	10U K	16V	C5808	303 409 3426	CERAMIC	0.1U K	16V
C5545	303 441 9810	CERAMIC	0.01U K	50V	C5831	403 455 1012	CERAMIC	1U K	10V
C5546	303 409 3426	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C5548	303 409 3426	CERAMIC	0.1U K	16V	C5832	303 409 3426	CERAMIC	0.1U K	16V
C5549	303 450 7012	CERAMIC	47U K	10V	C5836	403 455 1012	CERAMIC	1U K	10V
C5551	303 409 3426	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C5552	303 409 3426	CERAMIC	0.1U K	16V	C5837	303 394 1312	ELECT	100U M	6.3V
C5561	303 409 3426	CERAMIC	0.1U K	16V		303 427 9315	ELECT	100U M	6.3V
C5562	303 441 9810	CERAMIC	0.01U K	50V	C5838	303 409 3426	CERAMIC	0.1U K	16V
C5566	303 396 9613	CERAMIC	1U K	25V	C5841	403 455 1012	CERAMIC	1U K	10V
	303 397 7618	CERAMIC	1U K	25V		303 433 1112	CERAMIC	1U K	10V
C5567	403 455 1012	CERAMIC	1U K	10V	C5842	303 409 3426	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V	C5846	403 455 1012	CERAMIC	1U K	10V
C5581	403 455 1616	CERAMIC	10U K	16V		303 433 1112	CERAMIC	1U K	10V
C5591	303 409 3426	CERAMIC	0.1U K	16V	C5847	303 394 1312	ELECT	100U M	6.3V
C5592	303 409 3426	CERAMIC	0.1U K	16V		303 427 9315	ELECT	100U M	6.3V
C5593	303 409 3426	CERAMIC	0.1U K	16V	C5848	303 409 3426	CERAMIC	0.1U K	16V
C5594	303 409 3426	CERAMIC	0.1U K	16V	C6201	303 409 3426	CERAMIC	0.1U K	16V
C5596	303 409 3426	CERAMIC	0.1U K	16V	C6211	403 455 1616	CERAMIC	10U K	16V
C5597	303 409 3426	CERAMIC	0.1U K	16V	C6212	403 455 1616	CERAMIC	10U K	16V
C5601	403 455 1012	CERAMIC	1U K	10V	C6215	303 409 3426	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V	C6216	303 441 9810	CERAMIC	0.01U K	50V
C5602	403 455 1012	CERAMIC	1U K	10V	C6218	303 409 3426	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V	C6219	303 450 7012	CERAMIC	47U K	10V
C5603	303 358 3215	CERAMIC	10U K	6.3V	C6221	403 455 1012	CERAMIC	1U K	10V
	303 368 7319	CERAMIC	10U K	6.3V		303 433 1112	CERAMIC	1U K	10V
C5606	303 358 3215	CERAMIC	10U K	6.3V	C6222	303 409 3426	CERAMIC	0.1U K	16V
	303 368 7319	CERAMIC	10U K	6.3V	C6226	403 455 1012	CERAMIC	1U K	10V
C5607	303 409 3426	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C5611	403 455 1012	CERAMIC	1U K	10V	C6227	303 394 1312	ELECT	100U M	6.3V
	303 433 1112	CERAMIC	1U K	10V		303 427 9315	ELECT	100U M	6.3V
C5612	303 409 3426	CERAMIC	0.1U K	16V	C6228	303 409 3426	CERAMIC	0.1U K	16V
C5613	403 455 1012	CERAMIC	1U K	10V	C6231	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V		303 433 1112	CERAMIC	1U K	10V
C5616	303 394 1312	ELECT	100U M	6.3V	C6232	303 409 3426	CERAMIC	0.1U K	16V
	303 427 9315	ELECT	100U M	6.3V	C6236	403 455 1012	CERAMIC	1U K	10V
C5617	303 409 3426	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C5621	303 441 9810	CERAMIC	0.01U K	50V	C6237	303 394 1312	ELECT	100U M	6.3V
C5641	303 394 1312	ELECT	100U M	6.3V		303 427 9315	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V	C6238	303 409 3426	CERAMIC	0.1U K	16V
C5642	303 394 1312	ELECT	100U M	6.3V	C6241	303 341 3918	POS-SOLID	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V	C6242	303 341 3918	POS-SOLID	100U M	6.3V
C5643	303 401 4312	ELECT	47U M	25V	C6243	303 341 3918	POS-SOLID	100U M	6.3V
	303 419 5219	ELECT	47.0UM	25V	C6251	303 409 3426	CERAMIC	0.1U K	16V
	403 458 6618	ELECT	47U M	25V	C6271	303 409 3426	CERAMIC	0.1U K	16V
C5644	303 401 4312	ELECT	47U M	25V	C6272	303 409 3426	CERAMIC	0.1U K	16V
	303 419 5219	ELECT	47.0UM	25V	C6274	303 409 3426	CERAMIC	0.1U K	16V
	403 458 6618	ELECT	47U M	25V	C6288	303 409 3426	CERAMIC	0.1U K	16V
C5646	303 381 5316	ELECT	100U M	16V	C6289	303 409 3426	CERAMIC	0.1U K	16V
	303 427 8417	ELECT	100U M	16V	C6501	303 409 3426	CERAMIC	0.1U K	16V
C5647	303 374 8416	OS-SOLID	39U M	16V	C6511	303 396 9613	CERAMIC	1U K	25V
C5648	303 374 8416	OS-SOLID	39U M	16V		303 397 7618	CERAMIC	1U K	25V
C5651	303 401 4312	ELECT	47U M	25V	C6512	303 396 9613	CERAMIC	1U K	25V
	303 419 5219	ELECT	47.0UM	25V		303 397 7618	CERAMIC	1U K	25V
	403 458 6618	ELECT	47U M	25V	C6516	303 409 3426	CERAMIC	0.1U K	16V
C5652	303 401 4312	ELECT	47U M	25V	C6521	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C6531	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
C6532	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V
C6536	303 409 3426	CERAMIC	0.1U K	16V
C6541	303 409 3426	CERAMIC	0.1U K	16V
C6542	303 409 3426	CERAMIC	0.1U K	16V
C6543	303 409 3426	CERAMIC	0.1U K	16V
C6544	303 409 3426	CERAMIC	0.1U K	16V
C6551	303 441 9810	CERAMIC	0.01U K	50V
C6552	303 441 9810	CERAMIC	0.01U K	50V
C6553	303 441 9810	CERAMIC	0.01U K	50V
C6554	303 441 9810	CERAMIC	0.01U K	50V
C6556	303 441 9810	CERAMIC	0.01U K	50V
C6557	303 441 9810	CERAMIC	0.01U K	50V
C6558	303 407 1018	CERAMIC	4.7U K	6.3V
	303 383 5215	CERAMIC	4.7U K	6.3V
C6561	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C6562	303 409 3426	CERAMIC	0.1U K	16V
C6566	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C6567	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C6568	303 409 3426	CERAMIC	0.1U K	16V
C6571	303 409 3426	CERAMIC	0.1U K	16V
C7201	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C7202	303 409 3426	CERAMIC	0.1U K	16V
C7203	303 409 3426	CERAMIC	0.1U K	16V
C7206	303 409 3426	CERAMIC	0.1U K	16V
C7207	303 409 3426	CERAMIC	0.1U K	16V
C7208	303 409 3426	CERAMIC	0.1U K	16V
C7209	303 409 3426	CERAMIC	0.1U K	16V
C7211	303 409 3426	CERAMIC	0.1U K	16V
C7212	303 409 3426	CERAMIC	0.1U K	16V
C7213	303 409 3426	CERAMIC	0.1U K	16V
C7216	303 407 1018	CERAMIC	4.7U K	6.3V
	303 383 5215	CERAMIC	4.7U K	6.3V
C7217	303 407 1018	CERAMIC	4.7U K	6.3V
	303 383 5215	CERAMIC	4.7U K	6.3V
C7221	303 409 3426	CERAMIC	0.1U K	16V
C7222	303 409 3426	CERAMIC	0.1U K	16V
C7223	303 409 3426	CERAMIC	0.1U K	16V
C7224	303 409 3426	CERAMIC	0.1U K	16V
C7226	303 409 3426	CERAMIC	0.1U K	16V
C7251	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C7256	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C7257	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C7801	303 409 3426	CERAMIC	0.1U K	16V
C7802	303 409 3426	CERAMIC	0.1U K	16V
C8001	303 305 8515	CERAMIC	15P J	50V
C8002	303 276 2918	CERAMIC	12P J	50V
C8006	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8007	303 409 3426	CERAMIC	0.1U K	16V
C8008	303 409 3426	CERAMIC	0.1U K	16V
C8009	303 409 3426	CERAMIC	0.1U K	16V
C8011	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8012	303 409 3426	CERAMIC	0.1U K	16V
C8013	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8014	303 409 3426	CERAMIC	0.1U K	16V
C8016	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8017	303 409 3426	CERAMIC	0.1U K	16V
C8018	303 409 3426	CERAMIC	0.1U K	16V
C8021	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8022	303 409 3426	CERAMIC	0.1U K	16V
C8023	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8024	303 409 3426	CERAMIC	0.1U K	16V
C8026	303 409 3426	CERAMIC	0.1U K	16V
C8027	303 409 3426	CERAMIC	0.1U K	16V
C8029	303 409 3426	CERAMIC	0.1U K	16V
C8031	303 409 3426	CERAMIC	0.1U K	16V
C8032	303 409 3426	CERAMIC	0.1U K	16V
C8033	303 409 3426	CERAMIC	0.1U K	16V
C8034	303 409 3426	CERAMIC	0.1U K	16V
C8036	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8037	303 409 3426	CERAMIC	0.1U K	16V
C8038	303 409 3426	CERAMIC	0.1U K	16V
C8039	303 409 3426	CERAMIC	0.1U K	16V
C8041	303 409 3426	CERAMIC	0.1U K	16V
C8042	303 409 3426	CERAMIC	0.1U K	16V
C8043	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8044	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8051	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8052	303 409 3426	CERAMIC	0.1U K	16V
C8053	303 409 3426	CERAMIC	0.1U K	16V
C8054	303 409 3426	CERAMIC	0.1U K	16V
C8056	303 409 3426	CERAMIC	0.1U K	16V
C8057	303 409 3426	CERAMIC	0.1U K	16V
C8058	303 409 3426	CERAMIC	0.1U K	16V
C8059	303 409 3426	CERAMIC	0.1U K	16V
C8081	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C8082	303 409 3426	CERAMIC	0.1U K	16V
C8086	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8101	303 409 3426	CERAMIC	0.1U K	16V
C8106	303 409 3426	CERAMIC	0.1U K	16V
C8108	303 409 3426	CERAMIC	0.1U K	16V
C8111	303 409 3426	CERAMIC	0.1U K	16V
C8161	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8162	303 394 1312	ELECT	100U M	6.3V
	303 427 9315	ELECT	100U M	6.3V
C8811	303 276 1317	CERAMIC	1000P K	50V
C8821	303 409 3426	CERAMIC	0.1U K	16V
C9301	303 424 7017	CERAMIC	0.047U K	25V
C9302	303 424 7017	CERAMIC	0.047U K	25V
C9303	303 424 7017	CERAMIC	0.047U K	25V
C9304	303 424 7017	CERAMIC	0.047U K	25V
C9306	303 424 7017	CERAMIC	0.047U K	25V
C9307	303 424 7017	CERAMIC	0.047U K	25V
C9308	303 424 7017	CERAMIC	0.047U K	25V
C9309	303 424 7017	CERAMIC	0.047U K	25V
C9311	303 424 7017	CERAMIC	0.047U K	25V
C9312	303 424 7017	CERAMIC	0.047U K	25V
C9313	303 409 3426	CERAMIC	0.1U K	16V
C9314	303 424 7017	CERAMIC	0.047U K	25V
C9316	303 424 7017	CERAMIC	0.047U K	25V
C9317	303 424 7017	CERAMIC	0.047U K	25V
C9318	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C9319	303 424 7017	CERAMIC	0.047U K	25V
C9321	303 424 7017	CERAMIC	0.047U K	25V
C9322	303 424 7017	CERAMIC	0.047U K	25V
C9323	303 409 3426	CERAMIC	0.1U K	16V
C9324	303 424 7017	CERAMIC	0.047U K	25V
C9326	303 424 7017	CERAMIC	0.047U K	25V
C9327	303 424 7017	CERAMIC	0.047U K	25V
C9328	303 409 3426	CERAMIC	0.1U K	16V
C9329	303 424 7017	CERAMIC	0.047U K	25V
C9331	303 409 3426	CERAMIC	0.1U K	16V
C9341	403 455 1012	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V
C9342	303 409 3426	CERAMIC	0.1U K	16V
C9343	303 409 3426	CERAMIC	0.1U K	16V
C9344	303 409 3426	CERAMIC	0.1U K	16V
C9346	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R1001	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1002	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1003	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1004	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1006	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1007	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1008	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1009	401 333 0525	MT-GLAZE	1.2 JA	1/16W
R1010	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R1011	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1012	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1013	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1014	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1016	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1017	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1018	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1019	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1020	301 304 3616	MT-GLAZE	1K DA	1/16W
R1021	301 304 3616	MT-GLAZE	1K DA	1/16W
R1026	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1027	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1028	301 238 4512	MT-GLAZE	47 JA	1/3W
R1029	301 225 1418	MT-GLAZE	47K JA	1/16W
R1030	301 225 1418	MT-GLAZE	47K JA	1/16W
R1031	301 294 2712	MT-GLAZE	150 FA	1/16W
R1032	301 294 2712	MT-GLAZE	150 FA	1/16W
R1033	301 294 2712	MT-GLAZE	150 FA	1/16W
R1034	301 294 2712	MT-GLAZE	150 FA	1/16W
R1036	301 294 2712	MT-GLAZE	150 FA	1/16W
R1037	301 294 2712	MT-GLAZE	150 FA	1/16W
R1038	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1040	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R1043	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1044	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1051	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1052	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1061	301 225 1418	MT-GLAZE	47K JA	1/16W
R1062	301 225 0718	MT-GLAZE	56K JA	1/16W
R1063	301 225 1319	MT-GLAZE	470 JA	1/16W
R1064	301 224 9316	MT-GLAZE	1K JA	1/16W
R1066	301 224 8814	MT-GLAZE	100 JA	1/16W
R1071	301 225 1418	MT-GLAZE	47K JA	1/16W
R1072	301 225 0718	MT-GLAZE	56K JA	1/16W
R1073	301 225 1319	MT-GLAZE	470 JA	1/16W
R1074	301 224 9316	MT-GLAZE	1K JA	1/16W
R1076	301 224 8814	MT-GLAZE	100 JA	1/16W
R1081	301 225 1418	MT-GLAZE	47K JA	1/16W
R1082	301 225 0718	MT-GLAZE	56K JA	1/16W
R1083	301 225 1319	MT-GLAZE	470 JA	1/16W
R1084	301 224 9316	MT-GLAZE	1K JA	1/16W
R1086	301 224 8814	MT-GLAZE	100 JA	1/16W
R1091	301 224 9019	MT-GLAZE	10K JA	1/16W
R1092	301 224 9019	MT-GLAZE	10K JA	1/16W
R1093	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1096	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1097	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1098	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1099	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1204	301 224 9019	MT-GLAZE	10K JA	1/16W
R1206	301 224 9019	MT-GLAZE	10K JA	1/16W
R1207	301 224 9019	MT-GLAZE	10K JA	1/16W
R1208	301 225 8110	MT-GLAZE	10 JA	1/16W
R1209	301 224 9019	MT-GLAZE	10K JA	1/16W
R1211	301 225 8110	MT-GLAZE	10 JA	1/16W
R1212	301 225 8110	MT-GLAZE	10 JA	1/16W
R1213	301 225 8110	MT-GLAZE	10 JA	1/16W
R1214	301 225 8110	MT-GLAZE	10 JA	1/16W
R1215	301 224 9316	MT-GLAZE	1K JA	1/16W
R1216	301 224 9316	MT-GLAZE	1K JA	1/16W
R1217	301 225 8110	MT-GLAZE	10 JA	1/16W
R1218	301 224 9316	MT-GLAZE	1K JA	1/16W
R1219	301 224 9019	MT-GLAZE	10K JA	1/16W
R1221	301 224 9712	MT-GLAZE	22 JA	1/16W
R1223	301 224 9019	MT-GLAZE	10K JA	1/16W
R1224	301 224 9712	MT-GLAZE	22 JA	1/16W
R1226	301 224 9019	MT-GLAZE	10K JA	1/16W
R1227	301 224 9712	MT-GLAZE	22 JA	1/16W
R1229	301 224 9019	MT-GLAZE	10K JA	1/16W
R1231	301 265 4912	MT-GLAZE	75 FA	1/10W
R1232	301 265 4912	MT-GLAZE	75 FA	1/10W
R1233	301 265 4912	MT-GLAZE	75 FA	1/10W
R1234	301 225 8110	MT-GLAZE	10 JA	1/16W
R1235	301 225 8110	MT-GLAZE	10 JA	1/16W
R1236	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1237	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1271	301 224 8814	MT-GLAZE	100 JA	1/16W
R1273	301 224 8814	MT-GLAZE	100 JA	1/16W
R1276	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1278	301 225 0312	MT-GLAZE	33 JA	1/16W
R1279	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1281	301 224 8814	MT-GLAZE	100 JA	1/16W
R1283	301 224 8814	MT-GLAZE	100 JA	1/16W
R1286	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1288	301 225 0312	MT-GLAZE	33 JA	1/16W
R1289	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1291	301 224 8814	MT-GLAZE	100 JA	1/16W
R1293	301 224 8814	MT-GLAZE	100 JA	1/16W
R1296	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1298	301 225 0312	MT-GLAZE	33 JA	1/16W
R1299	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1301	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1302	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1303	301 224 9019	MT-GLAZE	10K JA	1/16W
R1304	301 225 8110	MT-GLAZE	10 JA	1/16W
R1306	301 224 9019	MT-GLAZE	10K JA	1/16W
R1307	301 224 9019	MT-GLAZE	10K JA	1/16W
R1308	301 294 4419	MT-GLAZE	1.8K FA	1/16W
R1311	301 303 4010	MT-GLAZE	1.2K DA	1/16W
R1312	301 303 4010	MT-GLAZE	1.2K DA	1/16W
R1321	301 338 1015	MT-GLAZE	49.9 DA	1/16W
R1322	301 338 1015	MT-GLAZE	49.9 DA	1/16W
R1323	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1327	301 224 9019	MT-GLAZE	10K JA	1/16W
R1329	301 224 9316	MT-GLAZE	1K JA	1/16W
R1331	301 224 9316	MT-GLAZE	1K JA	1/16W
R1333	301 224 9316	MT-GLAZE	1K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R1338	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1832	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1341	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1833	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1342	301 224 9316	MT-GLAZE	1K JA	1/16W	R1834	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1343	301 225 8110	MT-GLAZE	10 JA	1/16W	R1836	301 225 8110	MT-GLAZE	10 JA	1/16W
R1345	301 224 9019	MT-GLAZE	10K JA	1/16W	R1837	301 225 8110	MT-GLAZE	10 JA	1/16W
R1349	301 224 9316	MT-GLAZE	1K JA	1/16W	R1838	301 225 8110	MT-GLAZE	10 JA	1/16W
R1351	301 224 9415	MT-GLAZE	1M JA	1/16W	R1839	301 225 8110	MT-GLAZE	10 JA	1/16W
R1352	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1841	301 225 8110	MT-GLAZE	10 JA	1/16W
R1353	301 224 9019	MT-GLAZE	10K JA	1/16W	R1842	301 225 8110	MT-GLAZE	10 JA	1/16W
R1354	301 224 9019	MT-GLAZE	10K JA	1/16W	R1843	301 225 8110	MT-GLAZE	10 JA	1/16W
R1356	301 224 9019	MT-GLAZE	10K JA	1/16W	R1844	301 225 8110	MT-GLAZE	10 JA	1/16W
R1357	301 224 9019	MT-GLAZE	10K JA	1/16W	R1845	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1358	301 224 9019	MT-GLAZE	10K JA	1/16W	R1846	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1359	301 224 9019	MT-GLAZE	10K JA	1/16W	R1847	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1361	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R1851	301 225 8110	MT-GLAZE	10 JA	1/16W
R1362	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1852	301 225 8110	MT-GLAZE	10 JA	1/16W
R1363	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R1853	301 225 8110	MT-GLAZE	10 JA	1/16W
R1364	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1854	301 225 8110	MT-GLAZE	10 JA	1/16W
R1366	301 224 9019	MT-GLAZE	10K JA	1/16W	R1856	301 225 8110	MT-GLAZE	10 JA	1/16W
R1367	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1857	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1368	301 224 9019	MT-GLAZE	10K JA	1/16W	R1858	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1369	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1859	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1371	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1861	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1372	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1862	301 224 9019	MT-GLAZE	10K JA	1/16W
R1376	301 225 8110	MT-GLAZE	10 JA	1/16W	R1866	301 299 2410	MT-GLAZE	5.6K FA	1/16W
R1377	301 225 8110	MT-GLAZE	10 JA	1/16W	R1867	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R1378	301 225 8110	MT-GLAZE	10 JA	1/16W	R1868	401 344 1914	MT-GLAZE	10K DA	1/16W
R1379	301 225 8110	MT-GLAZE	10 JA	1/16W	R1871	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1382	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1872	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1383	301 224 9019	MT-GLAZE	10K JA	1/16W	R1873	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1385	301 224 9019	MT-GLAZE	10K JA	1/16W	R1874	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1388	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1876	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1389	301 272 7814	MT-GLAZE	100 FA	1/16W	R1877	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1390	301 272 7814	MT-GLAZE	100 FA	1/16W	R1878	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1391	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1879	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1392	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R1891	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1393	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1892	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1394	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1893	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1396	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1894	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1397	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1896	301 224 9019	MT-GLAZE	10K JA	1/16W
R1801	301 224 9415	MT-GLAZE	1M JA	1/16W	R1897	301 224 9019	MT-GLAZE	10K JA	1/16W
R1802	301 237 2915	MT-GLAZE	51 JA	1/16W	R1898	301 224 9019	MT-GLAZE	10K JA	1/16W
R1803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R1899	301 224 9019	MT-GLAZE	10K JA	1/16W
R1804	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R202	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2031	301 294 2712	MT-GLAZE	150 FA	1/16W
R1807	301 224 9019	MT-GLAZE	10K JA	1/16W	R2032	301 294 2712	MT-GLAZE	150 FA	1/16W
R1808	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R2036	301 294 2712	MT-GLAZE	150 FA	1/16W
R1809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2037	301 294 2712	MT-GLAZE	150 FA	1/16W
R1811	301 224 9019	MT-GLAZE	10K JA	1/16W	R2038	301 294 2712	MT-GLAZE	150 FA	1/16W
R1812	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R2039	301 294 2712	MT-GLAZE	150 FA	1/16W
R1813	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2061	301 225 1418	MT-GLAZE	47K JA	1/16W
R1814	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2062	301 225 0718	MT-GLAZE	56K JA	1/16W
R1815	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2063	301 225 1319	MT-GLAZE	470 JA	1/16W
R1816	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2064	301 224 9316	MT-GLAZE	1K JA	1/16W
R1817	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2066	301 224 8814	MT-GLAZE	100 JA	1/16W
R1818	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2067	301 224 8814	MT-GLAZE	100 JA	1/16W
R1819	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2071	301 225 1418	MT-GLAZE	47K JA	1/16W
R1821	301 224 9019	MT-GLAZE	10K JA	1/16W	R2072	301 225 0718	MT-GLAZE	56K JA	1/16W
R1822	301 224 9217	MT-GLAZE	15K JA	1/16W	R2073	301 225 1319	MT-GLAZE	470 JA	1/16W
R1823	301 225 3818	MT-GLAZE	1.5K JA	1/16W	R2074	301 224 9316	MT-GLAZE	1K JA	1/16W
R1824	301 224 9019	MT-GLAZE	10K JA	1/16W	R2076	301 224 8814	MT-GLAZE	100 JA	1/16W
R1825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2077	301 224 8814	MT-GLAZE	100 JA	1/16W
R1826	301 224 9019	MT-GLAZE	10K JA	1/16W	R2081	301 225 1418	MT-GLAZE	47K JA	1/16W
R1827	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2082	301 225 0718	MT-GLAZE	56K JA	1/16W
R1828	301 224 9019	MT-GLAZE	10K JA	1/16W	R2083	301 225 1319	MT-GLAZE	470 JA	1/16W
R1829	301 224 9019	MT-GLAZE	10K JA	1/16W	R2084	301 224 9316	MT-GLAZE	1K JA	1/16W
R1831	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2086	301 224 8814	MT-GLAZE	100 JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R2087	301 224 8814	MT-GLAZE	100 JA	1/16W	R2271	301 225 0411	MT-GLAZE	330K JA	1/16W
R2101	301 225 8110	MT-GLAZE	10 JA	1/16W	R2272	301 225 0411	MT-GLAZE	330K JA	1/16W
R2102	301 224 9316	MT-GLAZE	1K JA	1/16W	R2273	301 225 0411	MT-GLAZE	330K JA	1/16W
R2103	301 225 8110	MT-GLAZE	10 JA	1/16W	R228	301 225 1814	MT-GLAZE	47 JA	1/16W
R2104	301 224 9316	MT-GLAZE	1K JA	1/16W	R229	301 225 1814	MT-GLAZE	47 JA	1/16W
R211	301 225 8110	MT-GLAZE	10 JA	1/16W	R2291	301 225 1814	MT-GLAZE	47 JA	1/16W
R2111	301 225 8110	MT-GLAZE	10 JA	1/16W	R2292	301 225 1814	MT-GLAZE	47 JA	1/16W
R2112	301 224 9316	MT-GLAZE	1K JA	1/16W	R2293	301 225 1814	MT-GLAZE	47 JA	1/16W
R2113	301 225 8110	MT-GLAZE	10 JA	1/16W	R2294	301 225 1814	MT-GLAZE	47 JA	1/16W
R2114	301 224 9316	MT-GLAZE	1K JA	1/16W	R2301	301 224 9415	MT-GLAZE	1M JA	1/16W
R2116	301 225 8110	MT-GLAZE	10 JA	1/16W	R2302	301 303 4010	MT-GLAZE	1.2K DA	1/16W
R2117	301 224 9316	MT-GLAZE	1K JA	1/16W	R2303	301 224 8814	MT-GLAZE	100 JA	1/16W
R212	301 225 8110	MT-GLAZE	10 JA	1/16W	R2304	401 345 6215	MT-GLAZE	2K DA	1/16W
R2121	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2306	301 298 5511	MT-GLAZE	8.2K FA	1/16W
R2122	301 303 4010	MT-GLAZE	1.2K DA	1/16W	R2307	301 224 9019	MT-GLAZE	10K JA	1/16W
R2123	301 303 4010	MT-GLAZE	1.2K DA	1/16W	R2308	301 224 9019	MT-GLAZE	10K JA	1/16W
R2124	301 304 3616	MT-GLAZE	1K DA	1/16W	R2309	301 224 9019	MT-GLAZE	10K JA	1/16W
R213	301 225 8110	MT-GLAZE	10 JA	1/16W	R231	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R214	301 225 8110	MT-GLAZE	10 JA	1/16W	R2311	301 224 9019	MT-GLAZE	10K JA	1/16W
R217	301 225 1418	MT-GLAZE	47K JA	1/16W	R2312	301 224 9019	MT-GLAZE	10K JA	1/16W
R2171	301 224 8814	MT-GLAZE	100 JA	1/16W	R2313	301 224 9019	MT-GLAZE	10K JA	1/16W
R2173	301 224 8814	MT-GLAZE	100 JA	1/16W	R2314	301 224 9019	MT-GLAZE	10K JA	1/16W
R2176	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2316	301 224 9019	MT-GLAZE	10K JA	1/16W
R2178	301 225 0312	MT-GLAZE	33 JA	1/16W	R2317	301 224 9019	MT-GLAZE	10K JA	1/16W
R2179	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2318	301 224 9019	MT-GLAZE	10K JA	1/16W
R218	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R2319	301 224 9019	MT-GLAZE	10K JA	1/16W
R2181	301 224 8814	MT-GLAZE	100 JA	1/16W	R232	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2183	301 224 8814	MT-GLAZE	100 JA	1/16W	R2321	301 224 9019	MT-GLAZE	10K JA	1/16W
R2186	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2322	301 224 9019	MT-GLAZE	10K JA	1/16W
R2188	301 225 0312	MT-GLAZE	33 JA	1/16W	R2323	301 224 9019	MT-GLAZE	10K JA	1/16W
R2189	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2324	301 224 9019	MT-GLAZE	10K JA	1/16W
R2191	301 224 8814	MT-GLAZE	100 JA	1/16W	R2326	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2193	301 224 8814	MT-GLAZE	100 JA	1/16W	R2327	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2196	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2328	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2198	301 225 0312	MT-GLAZE	33 JA	1/16W	R2331	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2199	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2333	301 224 8814	MT-GLAZE	100 JA	1/16W
R221	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2336	301 224 8814	MT-GLAZE	100 JA	1/16W
R2211	301 224 9019	MT-GLAZE	10K JA	1/16W	R234	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2212	401 344 1914	MT-GLAZE	10K DA	1/16W	R2341	301 224 9712	MT-GLAZE	22 JA	1/16W
R2213	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2342	301 224 9712	MT-GLAZE	22 JA	1/16W
R2214	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2351	301 224 9019	MT-GLAZE	10K JA	1/16W
R2216	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2352	301 224 9019	MT-GLAZE	10K JA	1/16W
R2217	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2353	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2218	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2354	301 225 8110	MT-GLAZE	10 JA	1/16W
R222	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2356	301 225 1814	MT-GLAZE	47 JA	1/16W
R2221	301 225 8110	MT-GLAZE	10 JA	1/16W	R2357	301 225 0312	MT-GLAZE	33 JA	1/16W
R2222	301 225 8110	MT-GLAZE	10 JA	1/16W	R2358	301 225 1814	MT-GLAZE	47 JA	1/16W
R2223	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2359	301 225 1814	MT-GLAZE	47 JA	1/16W
R2233	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R236	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2234	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R237	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2237	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2391	301 304 3616	MT-GLAZE	1K DA	1/16W
R2238	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2392	301 304 3616	MT-GLAZE	1K DA	1/16W
R2239	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R263	301 225 1319	MT-GLAZE	470 JA	1/16W
R224	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R268	301 225 1319	MT-GLAZE	470 JA	1/16W
R2243	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R271	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R2252	301 224 8814	MT-GLAZE	100 JA	1/16W	R272	301 224 9019	MT-GLAZE	10K JA	1/16W
R2253	301 224 8814	MT-GLAZE	100 JA	1/16W	R276	401 345 6215	MT-GLAZE	2K DA	1/16W
R2256	301 225 1814	MT-GLAZE	47 JA	1/16W	R277	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2257	301 225 1814	MT-GLAZE	47 JA	1/16W	R278	301 304 3616	MT-GLAZE	1K DA	1/16W
R2258	301 225 1814	MT-GLAZE	47 JA	1/16W	R2801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R226	301 225 8110	MT-GLAZE	10 JA	1/16W	R2802	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2262	301 225 0817	MT-GLAZE	68K JA	1/16W	R2803	301 224 9019	MT-GLAZE	10K JA	1/16W
R2263	301 225 0817	MT-GLAZE	68K JA	1/16W	R2804	301 224 9019	MT-GLAZE	10K JA	1/16W
R2266	301 338 0919	MT-GLAZE	75 DA	1/16W	R2808	301 224 9316	MT-GLAZE	1K JA	1/16W
R2267	301 338 0919	MT-GLAZE	75 DA	1/16W	R2809	301 224 9019	MT-GLAZE	10K JA	1/16W
R2268	301 338 0919	MT-GLAZE	75 DA	1/16W	R281	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R227	301 225 8110	MT-GLAZE	10 JA	1/16W	R2811	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R2812	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R336	301 224 9712	MT-GLAZE	22 JA	1/16W
R2813	301 224 9019	MT-GLAZE	10K JA	1/16W	R337	301 224 9712	MT-GLAZE	22 JA	1/16W
R2815	301 224 8913	MT-GLAZE	100K JA	1/16W	R338	301 225 8110	MT-GLAZE	10 JA	1/16W
R2816	301 224 9316	MT-GLAZE	1K JA	1/16W	R339	301 225 8110	MT-GLAZE	10 JA	1/16W
R2817	301 224 9019	MT-GLAZE	10K JA	1/16W	R3401	301 224 9316	MT-GLAZE	1K JA	1/16W
R2818	301 224 9316	MT-GLAZE	1K JA	1/16W	R3402	301 224 9019	MT-GLAZE	10K JA	1/16W
R2819	301 224 9019	MT-GLAZE	10K JA	1/16W	R3403	301 224 9019	MT-GLAZE	10K JA	1/16W
R282	301 224 9019	MT-GLAZE	10K JA	1/16W	R3404	301 224 9019	MT-GLAZE	10K JA	1/16W
R2821	301 224 9316	MT-GLAZE	1K JA	1/16W	R3406	301 224 9019	MT-GLAZE	10K JA	1/16W
R2822	301 224 9019	MT-GLAZE	10K JA	1/16W	R3407	301 224 9316	MT-GLAZE	1K JA	1/16W
R2823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3409	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2824	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R341	301 224 9316	MT-GLAZE	1K JA	1/16W
R2825	301 236 7119	MT-GLAZE	620 JA	1/16W	R3413	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R2826	301 260 4115	MT-GLAZE	75 JA	1/3W	R3414	301 224 9316	MT-GLAZE	1K JA	1/16W
R2827	301 260 4115	MT-GLAZE	75 JA	1/3W	R3415	301 224 9712	MT-GLAZE	22 JA	1/16W
R2828	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3416	301 224 9712	MT-GLAZE	22 JA	1/16W
R2829	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R3417	301 224 9019	MT-GLAZE	10K JA	1/16W
R2836	301 260 4115	MT-GLAZE	75 JA	1/3W	R3418	301 224 9712	MT-GLAZE	22 JA	1/16W
R2837	301 260 4115	MT-GLAZE	75 JA	1/3W	R3419	301 224 9019	MT-GLAZE	10K JA	1/16W
R2841	301 225 8110	MT-GLAZE	10 JA	1/16W	R342	301 224 9316	MT-GLAZE	1K JA	1/16W
R2842	301 225 8110	MT-GLAZE	10 JA	1/16W	R3421	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2843	301 225 8110	MT-GLAZE	10 JA	1/16W	R3422	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2844	301 225 8110	MT-GLAZE	10 JA	1/16W	R3423	301 224 8913	MT-GLAZE	100K JA	1/16W
R2845	301 225 8110	MT-GLAZE	10 JA	1/16W	R3424	301 225 2118	MT-GLAZE	12K JA	1/16W
R2846	301 225 8110	MT-GLAZE	10 JA	1/16W	R3426	301 301 3817	MT-GLAZE	820 FA	1/16W
R2847	301 225 8110	MT-GLAZE	10 JA	1/16W	R3427	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R2848	301 225 8110	MT-GLAZE	10 JA	1/16W	R3428	401 344 1914	MT-GLAZE	10K DA	1/16W
R2849	301 225 8110	MT-GLAZE	10 JA	1/16W	R3429	301 225 1319	MT-GLAZE	470 JA	1/16W
R2851	301 228 4515	MT-GLAZE	2.2 JA	1/16W	R343	301 224 9316	MT-GLAZE	1K JA	1/16W
R2852	301 228 4515	MT-GLAZE	2.2 JA	1/16W	R3431	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R2857	301 225 8110	MT-GLAZE	10 JA	1/16W	R3432	301 224 9019	MT-GLAZE	10K JA	1/16W
R2858	301 225 8110	MT-GLAZE	10 JA	1/16W	R3436	401 302 1027	MT-GLAZE	12K DA	1/16W
R2859	301 225 8110	MT-GLAZE	10 JA	1/16W	R3437	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R286	301 301 8119	MT-GLAZE	3.9K FA	1/16W	R3438	401 344 1914	MT-GLAZE	10K DA	1/16W
R2861	301 228 4515	MT-GLAZE	2.2 JA	1/16W	R3439	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R2862	301 228 4515	MT-GLAZE	2.2 JA	1/16W	R344	301 224 9316	MT-GLAZE	1K JA	1/16W
R2863	301 259 2115	MT-GLAZE	1 JA	1/16W	R3441	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R2864	301 259 2115	MT-GLAZE	1 JA	1/16W	R3442	301 224 9019	MT-GLAZE	10K JA	1/16W
R287	301 236 7119	MT-GLAZE	620 JA	1/16W	R3443	301 224 9019	MT-GLAZE	10K JA	1/16W
R2871	301 228 4515	MT-GLAZE	2.2 JA	1/16W	R3444	301 224 9019	MT-GLAZE	10K JA	1/16W
R288	401 344 1914	MT-GLAZE	10K DA	1/16W	R3446	301 299 2410	MT-GLAZE	5.6K FA	1/16W
R289	301 224 9316	MT-GLAZE	1K JA	1/16W	R3447	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R291	301 037 5017	MT-GLAZE	0.000 ZA	1/10W	R3448	401 344 1914	MT-GLAZE	10K DA	1/16W
R292	301 224 9019	MT-GLAZE	10K JA	1/16W	R3449	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R296	301 301 8119	MT-GLAZE	3.9K FA	1/16W	R3451	301 225 8110	MT-GLAZE	10 JA	1/16W
R297	301 236 7119	MT-GLAZE	620 JA	1/16W	R3452	301 225 8110	MT-GLAZE	10 JA	1/16W
R298	401 344 1914	MT-GLAZE	10K DA	1/16W	R3453	301 225 8110	MT-GLAZE	10 JA	1/16W
R311	301 338 0919	MT-GLAZE	75 DA	1/16W	R3454	301 225 8110	MT-GLAZE	10 JA	1/16W
R312	301 338 0919	MT-GLAZE	75 DA	1/16W	R3456	301 225 8110	MT-GLAZE	10 JA	1/16W
R313	301 338 0919	MT-GLAZE	75 DA	1/16W	R3457	301 225 8110	MT-GLAZE	10 JA	1/16W
R314	401 342 7314	MT-GLAZE	23.2K FA	1/16W	R3458	301 225 8110	MT-GLAZE	10 JA	1/16W
R316	301 224 9019	MT-GLAZE	10K JA	1/16W	R3459	301 225 8110	MT-GLAZE	10 JA	1/16W
R317	301 224 9019	MT-GLAZE	10K JA	1/16W	R346	301 224 9019	MT-GLAZE	10K JA	1/16W
R318	301 298 5511	MT-GLAZE	8.2K FA	1/16W	R3461	301 225 8110	MT-GLAZE	10 JA	1/16W
R319	301 224 9019	MT-GLAZE	10K JA	1/16W	R3462	301 225 8110	MT-GLAZE	10 JA	1/16W
R321	301 225 8110	MT-GLAZE	10 JA	1/16W	R3463	301 225 8110	MT-GLAZE	10 JA	1/16W
R322	301 225 8110	MT-GLAZE	10 JA	1/16W	R3464	301 225 8110	MT-GLAZE	10 JA	1/16W
R323	301 225 1814	MT-GLAZE	47 JA	1/16W	R3466	301 225 8110	MT-GLAZE	10 JA	1/16W
R324	301 224 9019	MT-GLAZE	10K JA	1/16W	R3467	301 225 8110	MT-GLAZE	10 JA	1/16W
R326	301 225 1814	MT-GLAZE	47 JA	1/16W	R3468	301 225 8110	MT-GLAZE	10 JA	1/16W
R327	301 225 1814	MT-GLAZE	47 JA	1/16W	R3469	301 225 8110	MT-GLAZE	10 JA	1/16W
R328	301 225 1814	MT-GLAZE	47 JA	1/16W	R347	401 344 9415	MT-GLAZE	18K DA	1/16W
R329	301 225 1814	MT-GLAZE	47 JA	1/16W	R3471	301 225 8110	MT-GLAZE	10 JA	1/16W
R331	301 224 9712	MT-GLAZE	22 JA	1/16W	R3472	301 225 8110	MT-GLAZE	10 JA	1/16W
R332	301 224 9712	MT-GLAZE	22 JA	1/16W	R3473	301 225 8110	MT-GLAZE	10 JA	1/16W
R333	301 224 9712	MT-GLAZE	22 JA	1/16W	R3474	301 225 8110	MT-GLAZE	10 JA	1/16W
R334	301 224 9712	MT-GLAZE	22 JA	1/16W	R3476	301 225 8110	MT-GLAZE	10 JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R3477	301 225 8110	MT-GLAZE	10 JA 1/16W	R4418	301 225 8110	MT-GLAZE	10 JA 1/16W
R3478	301 225 8110	MT-GLAZE	10 JA 1/16W	R4419	301 225 8110	MT-GLAZE	10 JA 1/16W
R3479	301 225 8110	MT-GLAZE	10 JA 1/16W	R4421	301 225 8110	MT-GLAZE	10 JA 1/16W
R3481	301 224 8814	MT-GLAZE	100 JA 1/16W	R4422	301 225 8110	MT-GLAZE	10 JA 1/16W
R3482	301 224 9316	MT-GLAZE	1K JA 1/16W	R4423	301 225 8110	MT-GLAZE	10 JA 1/16W
R3483	301 225 8110	MT-GLAZE	10 JA 1/16W	R4424	301 225 8110	MT-GLAZE	10 JA 1/16W
R3484	301 224 8814	MT-GLAZE	100 JA 1/16W	R4425	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3486	301 224 8814	MT-GLAZE	100 JA 1/16W	R4426	301 225 0312	MT-GLAZE	33 JA 1/16W
R3487	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4427	301 224 9019	MT-GLAZE	10K JA 1/16W
R3488	301 224 9316	MT-GLAZE	1K JA 1/16W	R4428	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R3489	301 224 9316	MT-GLAZE	1K JA 1/16W	R4429	301 225 8110	MT-GLAZE	10 JA 1/16W
R3491	301 224 9316	MT-GLAZE	1K JA 1/16W	R4431	301 225 8110	MT-GLAZE	10 JA 1/16W
R3492	301 224 9316	MT-GLAZE	1K JA 1/16W	R4432	301 225 8110	MT-GLAZE	10 JA 1/16W
R3493	301 224 9316	MT-GLAZE	1K JA 1/16W	R4433	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3494	301 224 9316	MT-GLAZE	1K JA 1/16W	R4434	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3495	301 226 2414	MT-GLAZE	560 JA 1/16W	R4435	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R3496	301 224 9316	MT-GLAZE	1K JA 1/16W	R4436	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3497	301 224 9613	MT-GLAZE	2.7K JA 1/16W	R4437	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3498	301 224 9316	MT-GLAZE	1K JA 1/16W	R4438	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3499	301 224 9316	MT-GLAZE	1K JA 1/16W	R4439	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R351	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4441	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R352	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4442	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R353	301 224 9316	MT-GLAZE	1K JA 1/16W	R4443	301 225 8110	MT-GLAZE	10 JA 1/16W
R354	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4444	301 225 8110	MT-GLAZE	10 JA 1/16W
R355	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4445	301 224 9316	MT-GLAZE	1K JA 1/16W
R356	301 225 8110	MT-GLAZE	10 JA 1/16W	R4446	301 225 8110	MT-GLAZE	10 JA 1/16W
R357	301 224 9316	MT-GLAZE	1K JA 1/16W	R4447	301 225 8110	MT-GLAZE	10 JA 1/16W
R358	301 224 9316	MT-GLAZE	1K JA 1/16W	R4448	301 225 8110	MT-GLAZE	10 JA 1/16W
R359	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4449	301 225 8110	MT-GLAZE	10 JA 1/16W
R361	301 224 9019	MT-GLAZE	10K JA 1/16W	R4451	301 224 9712	MT-GLAZE	22 JA 1/16W
R362	301 224 9019	MT-GLAZE	10K JA 1/16W	R4452	301 224 9712	MT-GLAZE	22 JA 1/16W
R363	301 224 9019	MT-GLAZE	10K JA 1/16W	R4453	301 224 9712	MT-GLAZE	22 JA 1/16W
R364	301 224 9019	MT-GLAZE	10K JA 1/16W	R4454	301 224 9712	MT-GLAZE	22 JA 1/16W
R366	301 224 9019	MT-GLAZE	10K JA 1/16W	R4455	301 224 9316	MT-GLAZE	1K JA 1/16W
R371	301 224 9316	MT-GLAZE	1K JA 1/16W	R4456	301 224 9712	MT-GLAZE	22 JA 1/16W
R372	301 224 9316	MT-GLAZE	1K JA 1/16W	R4457	301 224 9712	MT-GLAZE	22 JA 1/16W
R373	301 224 9316	MT-GLAZE	1K JA 1/16W	R4458	301 225 8110	MT-GLAZE	10 JA 1/16W
R374	301 224 9019	MT-GLAZE	10K JA 1/16W	R4459	301 225 8110	MT-GLAZE	10 JA 1/16W
R376	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4460	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R377	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4461	301 225 8110	MT-GLAZE	10 JA 1/16W
R378	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4462	301 225 8110	MT-GLAZE	10 JA 1/16W
R379	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4465	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R381	301 225 8110	MT-GLAZE	10 JA 1/16W	R4466	301 225 8110	MT-GLAZE	10 JA 1/16W
R382	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4467	301 225 8110	MT-GLAZE	10 JA 1/16W
R385	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4468	301 224 9316	MT-GLAZE	1K JA 1/16W
R386	301 225 8110	MT-GLAZE	10 JA 1/16W	R4469	301 224 9712	MT-GLAZE	22 JA 1/16W
R388	301 224 9019	MT-GLAZE	10K JA 1/16W	R4471	301 224 9712	MT-GLAZE	22 JA 1/16W
R4001	301 150 6014	MT-GLAZE	0.000 ZA 1/10W	R4472	301 224 9712	MT-GLAZE	22 JA 1/16W
R4002	301 150 6014	MT-GLAZE	0.000 ZA 1/10W	R4473	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4003	301 150 6014	MT-GLAZE	0.000 ZA 1/10W	R4474	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4004	301 265 4912	MT-GLAZE	75 FA 1/10W	R4476	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4006	301 265 4912	MT-GLAZE	75 FA 1/10W	R4477	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4401	301 224 9712	MT-GLAZE	22 JA 1/16W	R4478	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4402	301 224 9712	MT-GLAZE	22 JA 1/16W	R4479	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4403	301 224 9712	MT-GLAZE	22 JA 1/16W	R4481	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4404	301 224 9712	MT-GLAZE	22 JA 1/16W	R4482	301 224 9712	MT-GLAZE	22 JA 1/16W
R4406	301 224 9712	MT-GLAZE	22 JA 1/16W	R4483	301 224 9712	MT-GLAZE	22 JA 1/16W
R4407	301 224 9712	MT-GLAZE	22 JA 1/16W	R4484	301 224 9316	MT-GLAZE	1K JA 1/16W
R4408	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4485	301 224 9316	MT-GLAZE	1K JA 1/16W
R4409	301 224 9019	MT-GLAZE	10K JA 1/16W	R4486	301 224 9316	MT-GLAZE	1K JA 1/16W
R4411	301 225 8110	MT-GLAZE	10 JA 1/16W	R4487	301 224 9316	MT-GLAZE	1K JA 1/16W
R4412	301 225 8110	MT-GLAZE	10 JA 1/16W	R4488	301 224 9316	MT-GLAZE	1K JA 1/16W
R4413	301 224 9316	MT-GLAZE	1K JA 1/16W	R4489	301 224 9316	MT-GLAZE	1K JA 1/16W
R4414	301 224 9316	MT-GLAZE	1K JA 1/16W	R4491	301 224 9316	MT-GLAZE	1K JA 1/16W
R4415	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4492	301 224 9316	MT-GLAZE	1K JA 1/16W
R4416	301 225 8110	MT-GLAZE	10 JA 1/16W	R4493	301 224 9316	MT-GLAZE	1K JA 1/16W
R4417	301 225 8110	MT-GLAZE	10 JA 1/16W	R4494	301 224 9316	MT-GLAZE	1K JA 1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R4495	301 225 8110	MT-GLAZE	10 JA 1/16W	R4796	301 225 8011	MT-GLAZE	330 JA 1/16W
R4496	301 224 9316	MT-GLAZE	1K JA 1/16W	R4797	301 302 7824	MT-GLAZE	30K DA 1/16W
R4497	301 224 9316	MT-GLAZE	1K JA 1/16W	R4798	401 344 1914	MT-GLAZE	10K DA 1/16W
R4498	301 224 9316	MT-GLAZE	1K JA 1/16W	R4799	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R4499	301 224 9316	MT-GLAZE	1K JA 1/16W	R4801	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4703	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4802	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4704	301 294 2811	MT-GLAZE	2.2K FA 1/16W	R4803	301 224 8913	MT-GLAZE	100K JA 1/16W
R4705	301 224 9316	MT-GLAZE	1K JA 1/16W	R4804	301 225 2118	MT-GLAZE	12K JA 1/16W
R4706	301 261 1014	MT-GLAZE	2.4K JA 1/16W	R4806	301 337 8411	MT-GLAZE	20K DA 1/16W
R4708	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4807	301 299 2410	MT-GLAZE	5.6K FA 1/16W
R4709	301 225 8011	MT-GLAZE	330 JA 1/16W	R4808	401 344 1914	MT-GLAZE	10K DA 1/16W
R4711	301 224 8814	MT-GLAZE	100 JA 1/16W	R4811	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R4712	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4812	301 224 9019	MT-GLAZE	10K JA 1/16W
R4713	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4816	401 302 1027	MT-GLAZE	12K DA 1/16W
R4714	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4817	301 294 2613	MT-GLAZE	4.7K FA 1/16W
R4715	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4818	401 344 1914	MT-GLAZE	10K DA 1/16W
R4716	301 225 8011	MT-GLAZE	330 JA 1/16W	R4821	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R4717	301 225 8110	MT-GLAZE	10 JA 1/16W	R4822	301 224 9019	MT-GLAZE	10K JA 1/16W
R4718	301 224 9019	MT-GLAZE	10K JA 1/16W	R4826	401 302 1027	MT-GLAZE	12K DA 1/16W
R4720	301 225 3818	MT-GLAZE	1.5K JA 1/16W	R4827	301 294 2613	MT-GLAZE	4.7K FA 1/16W
R4721	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4828	401 344 1914	MT-GLAZE	10K DA 1/16W
R4722	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4831	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4723	301 224 9316	MT-GLAZE	1K JA 1/16W	R4832	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4724	301 224 9019	MT-GLAZE	10K JA 1/16W	R4833	301 224 9217	MT-GLAZE	15K JA 1/16W
R4725	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R4834	301 225 2118	MT-GLAZE	12K JA 1/16W
R4726	301 224 9316	MT-GLAZE	1K JA 1/16W	R4836	301 299 2410	MT-GLAZE	5.6K FA 1/16W
R4727	301 224 9019	MT-GLAZE	10K JA 1/16W	R4837	301 301 8119	MT-GLAZE	3.9K FA 1/16W
R4728	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R4838	401 344 1914	MT-GLAZE	10K DA 1/16W
R4729	301 225 3818	MT-GLAZE	1.5K JA 1/16W	R4841	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R4733	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4842	301 224 9019	MT-GLAZE	10K JA 1/16W
R4734	301 294 2811	MT-GLAZE	2.2K FA 1/16W	R4846	301 299 4810	MT-GLAZE	2.7K FA 1/16W
R4735	301 224 9316	MT-GLAZE	1K JA 1/16W	R4847	301 294 4419	MT-GLAZE	1.8K FA 1/16W
R4736	301 261 1014	MT-GLAZE	2.4K JA 1/16W	R4848	401 344 1914	MT-GLAZE	10K DA 1/16W
R4738	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4851	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4739	301 225 8011	MT-GLAZE	330 JA 1/16W	R4852	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4741	301 224 8814	MT-GLAZE	100 JA 1/16W	R4856	301 301 8218	MT-GLAZE	680 FA 1/16W
R4742	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4857	301 301 8218	MT-GLAZE	680 FA 1/16W
R4743	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4858	301 304 3616	MT-GLAZE	1K DA 1/16W
R4744	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R4861	301 224 9019	MT-GLAZE	10K JA 1/16W
R4745	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4862	301 224 9019	MT-GLAZE	10K JA 1/16W
R4746	301 225 8011	MT-GLAZE	330 JA 1/16W	R4863	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R4747	301 225 8110	MT-GLAZE	10 JA 1/16W	R4871	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4748	301 224 9019	MT-GLAZE	10K JA 1/16W	R4872	301 150 6014	MT-GLAZE	0.000 ZA 1/10W
R4754	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4873	301 224 8913	MT-GLAZE	100K JA 1/16W
R4755	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4874	301 225 2118	MT-GLAZE	12K JA 1/16W
R4756	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4876	301 301 8119	MT-GLAZE	3.9K FA 1/16W
R4757	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4877	301 299 2410	MT-GLAZE	5.6K FA 1/16W
R4758	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4878	401 344 1914	MT-GLAZE	10K DA 1/16W
R4759	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4879	301 224 9316	MT-GLAZE	1K JA 1/16W
R4761	301 037 5017	MT-GLAZE	0.000 ZA 1/10W	R4881	301 225 1418	MT-GLAZE	47K JA 1/16W
R4762	301 224 9019	MT-GLAZE	10K JA 1/16W	R4886	301 294 2712	MT-GLAZE	150 FA 1/16W
R4766	301 225 8011	MT-GLAZE	330 JA 1/16W	R4887	301 303 4010	MT-GLAZE	1.2K DA 1/16W
R4767	301 302 7824	MT-GLAZE	30K DA 1/16W	R4888	301 304 3616	MT-GLAZE	1K DA 1/16W
R4768	401 344 1914	MT-GLAZE	10K DA 1/16W	R4891	301 037 5017	MT-GLAZE	0.000 ZA 1/10W
R4769	301 037 5017	MT-GLAZE	0.000 ZA 1/10W	R4892	301 224 9019	MT-GLAZE	10K JA 1/16W
R4771	301 298 5511	MT-GLAZE	8.2K FA 1/16W	R4896	301 336 8818	MT-GLAZE	6.8K FA 1/16W
R4772	301 298 5511	MT-GLAZE	8.2K FA 1/16W	R4897	401 344 1914	MT-GLAZE	10K DA 1/16W
R4774	301 225 0015	MT-GLAZE	270 JA 1/16W	R4898	401 344 1914	MT-GLAZE	10K DA 1/16W
R4776	301 224 9019	MT-GLAZE	10K JA 1/16W	R5201	301 225 8110	MT-GLAZE	10 JA 1/16W
R4777	301 224 9019	MT-GLAZE	10K JA 1/16W	R5202	301 225 8110	MT-GLAZE	10 JA 1/16W
R4778	301 224 9019	MT-GLAZE	10K JA 1/16W	R5203	301 224 9019	MT-GLAZE	10K JA 1/16W
R4781	301 299 2410	MT-GLAZE	5.6K FA 1/16W	R5204	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R4782	301 224 9019	MT-GLAZE	10K JA 1/16W	R5205	301 224 9316	MT-GLAZE	1K JA 1/16W
R4783	301 224 9019	MT-GLAZE	10K JA 1/16W	R5206	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4784	301 224 9019	MT-GLAZE	10K JA 1/16W	R5207	301 225 1418	MT-GLAZE	47K JA 1/16W
R4791	301 037 5017	MT-GLAZE	0.000 ZA 1/10W	R5208	301 225 1418	MT-GLAZE	47K JA 1/16W
R4792	301 224 9019	MT-GLAZE	10K JA 1/16W	R5209	301 225 1418	MT-GLAZE	47K JA 1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R5210	301 224 9316	MT-GLAZE	1K JA 1/16W	R5278	301 224 9316	MT-GLAZE	1K JA 1/16W
R5211	301 224 9316	MT-GLAZE	1K JA 1/16W	R5279	301 224 9316	MT-GLAZE	1K JA 1/16W
R5212	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5280	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R5213	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5281	301 225 0718	MT-GLAZE	56K JA 1/16W
R5214	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5282	301 225 8110	MT-GLAZE	10 JA 1/16W
R5215	301 224 9316	MT-GLAZE	1K JA 1/16W	R5283	301 225 8110	MT-GLAZE	10 JA 1/16W
R5216	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5284	301 225 8110	MT-GLAZE	10 JA 1/16W
R5217	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5285	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5218	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5286	301 225 8110	MT-GLAZE	10 JA 1/16W
R5219	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5287	301 225 8110	MT-GLAZE	10 JA 1/16W
R5220	301 224 9316	MT-GLAZE	1K JA 1/16W	R5288	301 224 9316	MT-GLAZE	1K JA 1/16W
R5221	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5290	301 299 4810	MT-GLAZE	2.7K FA 1/16W
R5222	301 224 9316	MT-GLAZE	1K JA 1/16W	R5291	301 224 9316	MT-GLAZE	1K JA 1/16W
R5223	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5292	301 224 9019	MT-GLAZE	10K JA 1/16W
R5224	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5293	301 224 9316	MT-GLAZE	1K JA 1/16W
R5225	301 224 9316	MT-GLAZE	1K JA 1/16W	R5294	301 224 9019	MT-GLAZE	10K JA 1/16W
R5226	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5296	301 224 9316	MT-GLAZE	1K JA 1/16W
R5227	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5297	301 224 9019	MT-GLAZE	10K JA 1/16W
R5228	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5298	301 224 9316	MT-GLAZE	1K JA 1/16W
R5229	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5299	301 224 9019	MT-GLAZE	10K JA 1/16W
R5230	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5301	301 224 9415	MT-GLAZE	1M JA 1/16W
R5231	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5302	301 224 9019	MT-GLAZE	10K JA 1/16W
R5232	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5303	301 224 9019	MT-GLAZE	10K JA 1/16W
R5233	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5304	301 225 1616	MT-GLAZE	390 JA 1/16W
R5234	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5306	301 224 8913	MT-GLAZE	100K JA 1/16W
R5236	301 224 9316	MT-GLAZE	1K JA 1/16W	R5307	301 224 9316	MT-GLAZE	1K JA 1/16W
R5237	301 225 8110	MT-GLAZE	10 JA 1/16W	R5308	301 224 9316	MT-GLAZE	1K JA 1/16W
R5238	301 225 8110	MT-GLAZE	10 JA 1/16W	R5311	301 224 9316	MT-GLAZE	1K JA 1/16W
R5239	301 225 8110	MT-GLAZE	10 JA 1/16W	R5312	301 224 9316	MT-GLAZE	1K JA 1/16W
R5240	301 272 7814	MT-GLAZE	100 FA 1/16W	R5313	301 224 9316	MT-GLAZE	1K JA 1/16W
R5241	301 225 0916	MT-GLAZE	82K JA 1/16W	R5314	301 224 8814	MT-GLAZE	100 JA 1/16W
R5242	301 272 7814	MT-GLAZE	100 FA 1/16W	R5321	301 224 8814	MT-GLAZE	100 JA 1/16W
R5243	301 272 7814	MT-GLAZE	100 FA 1/16W	R5322	301 224 9316	MT-GLAZE	1K JA 1/16W
R5244	301 272 7814	MT-GLAZE	100 FA 1/16W	R5323	301 224 8814	MT-GLAZE	100 JA 1/16W
R5245	301 294 3917	MT-GLAZE	56 FA 1/16W	R5324	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R5246	301 272 7814	MT-GLAZE	100 FA 1/16W	R5326	301 224 8814	MT-GLAZE	100 JA 1/16W
R5247	301 272 7814	MT-GLAZE	100 FA 1/16W	R5327	301 224 8814	MT-GLAZE	100 JA 1/16W
R5248	301 272 7814	MT-GLAZE	100 FA 1/16W	R5328	301 301 8119	MT-GLAZE	3.9K FA 1/16W
R5249	301 272 7814	MT-GLAZE	100 FA 1/16W	R5329	301 224 9415	MT-GLAZE	1M JA 1/16W
R5250	301 272 7814	MT-GLAZE	100 FA 1/16W	R5331	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5251	301 272 7814	MT-GLAZE	100 FA 1/16W	R5332	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5252	301 272 7814	MT-GLAZE	100 FA 1/16W	R5333	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5253	301 272 7814	MT-GLAZE	100 FA 1/16W	R5341	301 225 0312	MT-GLAZE	33 JA 1/16W
R5254	301 272 7814	MT-GLAZE	100 FA 1/16W	R5346	301 225 0312	MT-GLAZE	33 JA 1/16W
R5255	301 272 7814	MT-GLAZE	100 FA 1/16W	R5361	301 225 1814	MT-GLAZE	47 JA 1/16W
R5256	301 224 9712	MT-GLAZE	22 JA 1/16W	R5362	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R5257	301 224 9712	MT-GLAZE	22 JA 1/16W	R5363	301 240 9710	MT-GLAZE	820K JA 1/16W
R5258	301 224 9712	MT-GLAZE	22 JA 1/16W	R5366	301 224 9316	MT-GLAZE	1K JA 1/16W
R5259	301 224 9712	MT-GLAZE	22 JA 1/16W	R5367	301 224 9316	MT-GLAZE	1K JA 1/16W
R5260	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5368	301 224 9019	MT-GLAZE	10K JA 1/16W
R5261	301 224 9712	MT-GLAZE	22 JA 1/16W	R5369	301 224 9316	MT-GLAZE	1K JA 1/16W
R5262	301 224 9712	MT-GLAZE	22 JA 1/16W	R5371	301 224 9316	MT-GLAZE	1K JA 1/16W
R5263	301 224 9712	MT-GLAZE	22 JA 1/16W	R5372	301 226 2414	MT-GLAZE	560 JA 1/16W
R5264	301 224 9712	MT-GLAZE	22 JA 1/16W	R5373	301 225 0718	MT-GLAZE	56K JA 1/16W
R5265	301 225 0312	MT-GLAZE	33 JA 1/16W	R5376	301 224 9316	MT-GLAZE	1K JA 1/16W
R5266	301 224 9712	MT-GLAZE	22 JA 1/16W	R5377	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5267	301 224 9712	MT-GLAZE	22 JA 1/16W	R5391	301 225 8110	MT-GLAZE	10 JA 1/16W
R5268	301 224 9712	MT-GLAZE	22 JA 1/16W	R5393	301 224 9019	MT-GLAZE	10K JA 1/16W
R5269	301 224 9712	MT-GLAZE	22 JA 1/16W	R5396	301 225 0817	MT-GLAZE	68K JA 1/16W
R5270	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5397	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R5271	301 224 9019	MT-GLAZE	10K JA 1/16W	R5398	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R5272	301 224 9019	MT-GLAZE	10K JA 1/16W	R5399	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R5273	301 224 9019	MT-GLAZE	10K JA 1/16W	R5501	301 190 1710	MT-GLAZE	0.000 ZA 1W
R5274	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5502	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5275	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5503	301 301 8218	MT-GLAZE	680 FA 1/16W
R5276	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5504	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R5277	301 224 9316	MT-GLAZE	1K JA 1/16W	R5506	301 224 9316	MT-GLAZE	1K JA 1/16W

Electrical Parts List

Key No.	Part No.	Description		
R5508	301 224 9316	MT-GLAZE	1K JA	1/16W
R5511	301 190 1710	MT-GLAZE	0.000 ZA	1W
R5512	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5513	301 301 8218	MT-GLAZE	680 FA	1/16W
R5514	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R5516	301 224 9316	MT-GLAZE	1K JA	1/16W
R5518	301 224 9316	MT-GLAZE	1K JA	1/16W
R5522	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5523	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5526	301 225 8110	MT-GLAZE	10 JA	1/16W
R5527	301 225 8110	MT-GLAZE	10 JA	1/16W
R5528	301 225 8110	MT-GLAZE	10 JA	1/16W
R5529	301 225 8110	MT-GLAZE	10 JA	1/16W
R5531	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5532	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5533	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5534	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5536	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5537	301 228 4515	MT-GLAZE	2.2 JA	1/16W
R5538	301 228 4515	MT-GLAZE	2.2 JA	1/16W
R5541	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R5542	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R5543	301 224 8913	MT-GLAZE	100K JA	1/16W
R5544	301 225 2118	MT-GLAZE	12K JA	1/16W
R5546	301 225 0916	MT-GLAZE	82K JA	1/16W
R5547	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R5548	401 344 1914	MT-GLAZE	10K DA	1/16W
R5551	301 224 9019	MT-GLAZE	10K JA	1/16W
R5552	301 224 8913	MT-GLAZE	100K JA	1/16W
R5554	301 224 8814	MT-GLAZE	100 JA	1/16W
R5556	301 224 9019	MT-GLAZE	10K JA	1/16W
R5557	301 224 8913	MT-GLAZE	100K JA	1/16W
R5559	301 224 8814	MT-GLAZE	100 JA	1/16W
R5561	301 225 4617	MT-GLAZE	1.2 JA	1W
R5562	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5563	301 224 9316	MT-GLAZE	1K JA	1/16W
R5564	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5566	301 224 9316	MT-GLAZE	1K JA	1/16W
R5567	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5568	301 036 9917	MT-GLAZE	560 JA	1/8W
R5571	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5572	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5581	301 224 8814	MT-GLAZE	100 JA	1/16W
R5583	301 224 9019	MT-GLAZE	10K JA	1/16W
R5584	301 224 9019	MT-GLAZE	10K JA	1/16W
R5586	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5593	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5596	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5597	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5598	301 224 8913	MT-GLAZE	100K JA	1/16W
R5601	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R5602	301 225 0510	MT-GLAZE	33K JA	1/16W
R5606	401 345 6215	MT-GLAZE	2K DA	1/16W
R5607	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5608	301 304 3616	MT-GLAZE	1K DA	1/16W
R5611	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R5612	301 224 9019	MT-GLAZE	10K JA	1/16W
R5616	301 304 3616	MT-GLAZE	1K DA	1/16W
R5617	301 302 7824	MT-GLAZE	30K DA	1/16W
R5618	401 344 1914	MT-GLAZE	10K DA	1/16W
R5619	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R5621	301 224 9019	MT-GLAZE	10K JA	1/16W
R5622	301 224 9019	MT-GLAZE	10K JA	1/16W
R5623	301 224 9910	MT-GLAZE	22K JA	1/16W
R5624	301 224 9910	MT-GLAZE	22K JA	1/16W
R5631	301 224 9019	MT-GLAZE	10K JA	1/16W
R5632	301 225 2118	MT-GLAZE	12K JA	1/16W
R5633	301 224 9019	MT-GLAZE	10K JA	1/16W
R5808	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5809	301 294 2712	MT-GLAZE	150 FA	1/16W
R5831	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R5832	301 224 9019	MT-GLAZE	10K JA	1/16W
R5836	401 302 1027	MT-GLAZE	12K DA	1/16W
R5837	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R5838	401 344 1914	MT-GLAZE	10K DA	1/16W
R5841	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R5842	301 224 9019	MT-GLAZE	10K JA	1/16W
R5846	301 225 8011	MT-GLAZE	330 JA	1/16W
R5847	301 302 7824	MT-GLAZE	30K DA	1/16W
R5848	401 344 1914	MT-GLAZE	10K DA	1/16W
R5849	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R6201	301 225 0312	MT-GLAZE	33 JA	1/16W
R6204	301 225 8110	MT-GLAZE	10 JA	1/16W
R6205	301 225 8110	MT-GLAZE	10 JA	1/16W
R6206	301 225 8110	MT-GLAZE	10 JA	1/16W
R6207	301 225 8110	MT-GLAZE	10 JA	1/16W
R6208	301 225 8110	MT-GLAZE	10 JA	1/16W
R6209	301 225 8110	MT-GLAZE	10 JA	1/16W
R6210	301 225 8110	MT-GLAZE	10 JA	1/16W
R6211	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6212	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6213	301 224 8913	MT-GLAZE	100K JA	1/16W
R6214	301 225 2118	MT-GLAZE	12K JA	1/16W
R6216	301 301 3817	MT-GLAZE	820 FA	1/16W
R6217	301 294 2811	MT-GLAZE	2.2K FA	1/16W
R6218	401 344 1914	MT-GLAZE	10K DA	1/16W
R6219	301 224 9316	MT-GLAZE	1K JA	1/16W
R6221	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R6222	301 224 9019	MT-GLAZE	10K JA	1/16W
R6226	401 302 1027	MT-GLAZE	12K DA	1/16W
R6227	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R6228	401 344 1914	MT-GLAZE	10K DA	1/16W
R6231	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R6232	301 224 9019	MT-GLAZE	10K JA	1/16W
R6236	401 302 1027	MT-GLAZE	12K DA	1/16W
R6237	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R6238	401 344 1914	MT-GLAZE	10K DA	1/16W
R6241	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6242	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6243	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6244	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6246	301 225 8110	MT-GLAZE	10 JA	1/16W
R6247	301 225 8110	MT-GLAZE	10 JA	1/16W
R6248	301 225 8110	MT-GLAZE	10 JA	1/16W
R6249	301 225 8110	MT-GLAZE	10 JA	1/16W
R6251	301 225 8110	MT-GLAZE	10 JA	1/16W
R6252	301 225 8110	MT-GLAZE	10 JA	1/16W
R6253	301 225 8110	MT-GLAZE	10 JA	1/16W
R6254	301 225 8110	MT-GLAZE	10 JA	1/16W
R6255	301 225 8110	MT-GLAZE	10 JA	1/16W
R6256	301 225 8110	MT-GLAZE	10 JA	1/16W
R6257	301 225 8110	MT-GLAZE	10 JA	1/16W
R6258	301 225 8110	MT-GLAZE	10 JA	1/16W
R6259	301 225 8110	MT-GLAZE	10 JA	1/16W
R6261	301 225 8110	MT-GLAZE	10 JA	1/16W
R6262	301 225 8110	MT-GLAZE	10 JA	1/16W
R6263	301 225 8110	MT-GLAZE	10 JA	1/16W
R6264	301 225 8110	MT-GLAZE	10 JA	1/16W
R6265	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6266	301 225 8110	MT-GLAZE	10 JA	1/16W
R6267	301 225 8110	MT-GLAZE	10 JA	1/16W
R6268	301 225 8110	MT-GLAZE	10 JA	1/16W
R6269	301 225 8110	MT-GLAZE	10 JA	1/16W
R6271	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R6272	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R7234	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6273	301 224 9316	MT-GLAZE	1K JA	1/16W	R7235	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6274	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R7236	301 224 9316	MT-GLAZE	1K JA	1/16W
R6275	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R7248	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6276	301 225 8110	MT-GLAZE	10 JA	1/16W	R7249	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6277	301 225 8110	MT-GLAZE	10 JA	1/16W	R7251	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R6278	301 225 8110	MT-GLAZE	10 JA	1/16W	R7252	301 224 9019	MT-GLAZE	10K JA	1/16W
R6279	301 225 8110	MT-GLAZE	10 JA	1/16W	R7253	301 224 9019	MT-GLAZE	10K JA	1/16W
R6281	301 225 8110	MT-GLAZE	10 JA	1/16W	R7254	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6282	301 225 8110	MT-GLAZE	10 JA	1/16W	R7255	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6283	301 225 8110	MT-GLAZE	10 JA	1/16W	R7256	301 304 3616	MT-GLAZE	1K DA	1/16W
R6284	301 225 8110	MT-GLAZE	10 JA	1/16W	R7257	301 304 3616	MT-GLAZE	1K DA	1/16W
R6285	301 224 9316	MT-GLAZE	1K JA	1/16W	R7258	301 304 3616	MT-GLAZE	1K DA	1/16W
R6286	301 225 8110	MT-GLAZE	10 JA	1/16W	R7259	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R6287	301 225 8110	MT-GLAZE	10 JA	1/16W	R7261	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6288	301 225 8110	MT-GLAZE	10 JA	1/16W	R7262	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6289	301 225 8110	MT-GLAZE	10 JA	1/16W	R7801	301 225 8110	MT-GLAZE	10 JA	1/16W
R6291	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7802	301 225 8110	MT-GLAZE	10 JA	1/16W
R6292	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6293	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R7804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6294	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R7805	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6296	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6297	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7807	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6298	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R7808	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6299	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R7809	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6501	301 225 8110	MT-GLAZE	10 JA	1/16W	R7811	301 224 9316	MT-GLAZE	1K JA	1/16W
R6502	301 225 8110	MT-GLAZE	10 JA	1/16W	R7812	301 224 9316	MT-GLAZE	1K JA	1/16W
R6503	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7821	301 224 9316	MT-GLAZE	1K JA	1/16W
R6504	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R7822	301 224 9316	MT-GLAZE	1K JA	1/16W
R6506	301 224 9316	MT-GLAZE	1K JA	1/16W	R7823	301 224 9316	MT-GLAZE	1K JA	1/16W
R6508	301 224 9316	MT-GLAZE	1K JA	1/16W	R7824	301 224 9316	MT-GLAZE	1K JA	1/16W
R6511	301 102 7410	MT-GLAZE	10 JA	1W	R7825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6512	301 102 7410	MT-GLAZE	10 JA	1W	R8001	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6513	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8002	301 224 9415	MT-GLAZE	1M JA	1/16W
R6514	301 224 9316	MT-GLAZE	1K JA	1/16W	R8006	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6518	301 226 2414	MT-GLAZE	560 JA	1/16W	R8007	301 225 0312	MT-GLAZE	33 JA	1/16W
R6521	301 225 8110	MT-GLAZE	10 JA	1/16W	R8008	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6522	301 225 8110	MT-GLAZE	10 JA	1/16W	R8011	301 264 5316	MT-GLAZE	2.2 JA	1/10W
R6523	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R8013	301 264 5316	MT-GLAZE	2.2 JA	1/10W
R6524	301 225 0213	MT-GLAZE	3.3K JA	1/16W	R8014	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6526	301 224 9316	MT-GLAZE	1K JA	1/16W	R8016	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6528	301 224 9316	MT-GLAZE	1K JA	1/16W	R8018	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6531	301 102 7410	MT-GLAZE	10 JA	1W	R8021	301 264 5316	MT-GLAZE	2.2 JA	1/10W
R6532	301 102 7410	MT-GLAZE	10 JA	1W	R8034	301 225 8110	MT-GLAZE	10 JA	1/16W
R6533	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8036	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6534	301 224 9316	MT-GLAZE	1K JA	1/16W	R8037	301 225 8110	MT-GLAZE	10 JA	1/16W
R6538	301 226 2414	MT-GLAZE	560 JA	1/16W	R8038	301 225 0312	MT-GLAZE	33 JA	1/16W
R6541	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8039	301 225 0312	MT-GLAZE	33 JA	1/16W
R6542	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8041	301 225 0312	MT-GLAZE	33 JA	1/16W
R6543	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8042	301 225 0312	MT-GLAZE	33 JA	1/16W
R6544	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8043	301 225 0312	MT-GLAZE	33 JA	1/16W
R6561	301 037 5017	MT-GLAZE	0.000 ZA	1/10W	R8044	301 225 0312	MT-GLAZE	33 JA	1/16W
R6562	301 224 9019	MT-GLAZE	10K JA	1/16W	R8046	301 225 0312	MT-GLAZE	33 JA	1/16W
R6566	401 302 1027	MT-GLAZE	12K DA	1/16W	R8047	301 225 0312	MT-GLAZE	33 JA	1/16W
R6567	301 294 2613	MT-GLAZE	4.7K FA	1/16W	R8048	301 225 0312	MT-GLAZE	33 JA	1/16W
R6568	401 344 1914	MT-GLAZE	10K DA	1/16W	R8049	301 225 8813	MT-GLAZE	39 JA	1/16W
R6569	301 224 9019	MT-GLAZE	10K JA	1/16W	R8051	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R7201	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8052	301 225 8110	MT-GLAZE	10 JA	1/16W
R7202	301 224 9316	MT-GLAZE	1K JA	1/16W	R8053	301 225 8110	MT-GLAZE	10 JA	1/16W
R7204	301 224 9316	MT-GLAZE	1K JA	1/16W	R8054	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7206	301 225 8110	MT-GLAZE	10 JA	1/16W	R8055	301 225 8110	MT-GLAZE	10 JA	1/16W
R7207	301 225 8110	MT-GLAZE	10 JA	1/16W	R8057	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7208	301 225 8110	MT-GLAZE	10 JA	1/16W	R8058	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R7211	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8061	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7212	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8062	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7232	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8063	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7233	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8064	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description
R8066	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8067	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8068	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8069	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8071	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8073	301 225 0213	MT-GLAZE 3.3K JA 1/16W
R8074	301 225 0213	MT-GLAZE 3.3K JA 1/16W
R8077	301 224 9019	MT-GLAZE 10K JA 1/16W
R8081	301 037 5017	MT-GLAZE 0.000 ZA 1/10W
R8082	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8083	301 225 1319	MT-GLAZE 470 JA 1/16W
R8086	301 272 7814	MT-GLAZE 100 FA 1/16W
R8087	301 225 8110	MT-GLAZE 10 JA 1/16W
R8088	301 304 3616	MT-GLAZE 1K DA 1/16W
R8089	301 037 5017	MT-GLAZE 0.000 ZA 1/10W
R8091	301 224 9019	MT-GLAZE 10K JA 1/16W
R8092	301 224 9019	MT-GLAZE 10K JA 1/16W
R8101	301 294 3214	MT-GLAZE 47K FA 1/16W
R8102	301 294 3214	MT-GLAZE 47K FA 1/16W
R8103	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8104	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8105	301 224 9019	MT-GLAZE 10K JA 1/16W
R8106	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8107	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8108	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8109	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8111	301 224 9019	MT-GLAZE 10K JA 1/16W
R8112	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8121	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8122	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8806	301 228 4515	MT-GLAZE 2.2 JA 1/16W
R8807	301 228 4515	MT-GLAZE 2.2 JA 1/16W
R8808	301 225 8110	MT-GLAZE 10 JA 1/16W
R8809	301 225 8110	MT-GLAZE 10 JA 1/16W
R8811	401 351 6018	MT-GLAZE 220K DA 1/16W
R8812	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R8821	301 224 9019	MT-GLAZE 10K JA 1/16W
R8824	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8826	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R8827	301 272 7814	MT-GLAZE 100 FA 1/16W
R8828	301 272 7814	MT-GLAZE 100 FA 1/16W
R9301	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9302	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9306	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9311	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9312	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9314	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9331	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9332	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9333	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9334	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9336	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9337	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9338	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9339	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9341	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9346	301 338 0919	MT-GLAZE 75 DA 1/16W
R9347	301 338 0919	MT-GLAZE 75 DA 1/16W
R9348	301 338 0919	MT-GLAZE 75 DA 1/16W
R9801	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R9802	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
RB201	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB202	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB203	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB204	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB206	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB207	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB208	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2301	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2302	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2303	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2304	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2305	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2306	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2307	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2308	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2309	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2311	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2312	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2313	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2314	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2315	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2316	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2317	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2318	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB2319	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB311	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB312	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB313	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB314	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB316	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB317	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB318	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB319	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB321	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB322	945 037 3108	R-NETWORK 10X4 0.063W
	945 028 5982	R-NETWORK 10X4 1/16W
RB323	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB324	945 037 0671	R-NETWORK 47X4 0.063W

Electrical Parts List

Key No.	Part No.	Description
	945 018 8931	R-NETWORK 47X4 1/16W
RB326	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB327	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB328	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB329	945 037 0671	R-NETWORK 47X4 0.063W
	945 018 8931	R-NETWORK 47X4 1/16W
RB331	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB332	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB333	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB334	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB336	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB337	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB3401	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB3402	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB3403	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB3404	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB3461	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB3462	945 036 0993	R-NETWORK 4.7KX4 1/32W
	945 033 1443	R-NETWORK 4.7KX4 1/16W
RB3463	945 036 0993	R-NETWORK 4.7KX4 1/32W
	945 033 1443	R-NETWORK 4.7KX4 1/16W
RB4401	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4402	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4403	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4404	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4406	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4407	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4409	645 065 8792	R-NETWORK 2.2KX4 1/32W
	645 065 8785	R-NETWORK 2.2KX4 1/16W
RB4431	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4432	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4433	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4434	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4436	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4437	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4438	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4439	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4441	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4442	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4451	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4452	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4453	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4454	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4456	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4457	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4471	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB4472	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB4473	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB4474	945 036 0986	R-NETWORK 47X4 1/32W
	945 037 0831	R-NETWORK 47X4 1/16W
RB4476	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4477	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB4478	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5201	945 036 0979	R-NETWORK 10KX4 1/32W
	945 028 0710	R-NETWORK 10KX4 1/16W
RB5256	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5257	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5258	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5259	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5261	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5262	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5263	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5264	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5266	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5267	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5268	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5269	945 034 5051	R-NETWORK 22X4 1/32W
	945 037 0824	R-NETWORK 22X4 1/16W
RB5291	945 036 0979	R-NETWORK 10KX4 1/32W
	945 028 0710	R-NETWORK 10KX4 1/16W
RB5292	945 036 0979	R-NETWORK 10KX4 1/32W
	945 028 0710	R-NETWORK 10KX4 1/16W
RB6571	945 036 0993	R-NETWORK 4.7KX4 1/32W
	945 033 1443	R-NETWORK 4.7KX4 1/16W
RB6572	945 036 0993	R-NETWORK 4.7KX4 1/32W
	945 033 1443	R-NETWORK 4.7KX4 1/16W
RB7201	945 029 5790	R-NETWORK 1KX4 1/32W
	945 028 0703	R-NETWORK 1KX4 1/16W
RB7202	945 029 5790	R-NETWORK 1KX4 1/32W
	945 028 0703	R-NETWORK 1KX4 1/16W
RB7203	945 029 5790	R-NETWORK 1KX4 1/32W

Electrical Parts List

Key No.	Part No.	Description
	945 028 0703	R-NETWORK 1KX4 1/16W
RB8038	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB8039	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB8041	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB8042	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB8043	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB8044	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
COIL		
L1001	945 070 3660	INDUCTOR,90 OHM
L1002	945 070 3660	INDUCTOR,90 OHM
L1003	945 070 3660	INDUCTOR,90 OHM
L1004	945 070 3660	INDUCTOR,90 OHM
L1011	945 070 3660	INDUCTOR,90 OHM
L1012	945 070 3660	INDUCTOR,90 OHM
L1013	945 070 3660	INDUCTOR,90 OHM
L1014	945 070 3660	INDUCTOR,90 OHM
L1031	945 086 7577	FILTER,EMI 400MHZ
L1033	945 086 7577	FILTER,EMI 400MHZ
L1036	945 086 7577	FILTER,EMI 400MHZ
L1038	945 086 6037	IMPEDANCE,330 OHM P
L1041	945 086 7560	FILTER,EMI 200MHZ
L1042	945 086 7560	FILTER,EMI 200MHZ
L1091	945 086 6037	IMPEDANCE,330 OHM P
L1201AM	307 205 5216	DIODE RB521S-30-TE61
L1205AM	307 205 5216	DIODE RB521S-30-TE61
L1251	945 086 6037	IMPEDANCE,330 OHM P
L1253	945 086 6037	IMPEDANCE,330 OHM P
L1806	945 086 6037	IMPEDANCE,330 OHM P
L1811	945 086 6037	IMPEDANCE,330 OHM P
L1866	945 086 6037	IMPEDANCE,330 OHM P
L201	945 086 6037	IMPEDANCE,330 OHM P
L2031	945 086 7577	FILTER,EMI 400MHZ
L2036	945 086 7577	FILTER,EMI 400MHZ
L2038	945 086 7577	FILTER,EMI 400MHZ
L206	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L2151	945 086 6037	IMPEDANCE,330 OHM P
L2153	945 086 6037	IMPEDANCE,330 OHM P
L216	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L2201	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
L2213	945 086 6037	IMPEDANCE,330 OHM P
L226	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L2303	645 048 5770	IMPEDANCE,33 OHM P
L232	945 086 6037	IMPEDANCE,330 OHM P
L2321	645 048 5770	IMPEDANCE,33 OHM P
L2341	645 048 5770	IMPEDANCE,33 OHM P
L2351	645 048 5770	IMPEDANCE,33 OHM P
L236	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L2361	645 048 5770	IMPEDANCE,33 OHM P
L2362	645 048 5770	IMPEDANCE,33 OHM P
L2386	645 053 2177	IMPEDANCE,600 OHM P
L2387	645 053 2177	IMPEDANCE,600 OHM P
L2388	645 053 2177	IMPEDANCE,600 OHM P
L276	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L2826	945 086 6037	IMPEDANCE,330 OHM P
L2827	945 086 6037	IMPEDANCE,330 OHM P
L2828	945 086 6037	IMPEDANCE,330 OHM P
L2829	945 086 6037	IMPEDANCE,330 OHM P
L2836	945 086 6037	IMPEDANCE,330 OHM P
L2837	945 086 6037	IMPEDANCE,330 OHM P
L2838	945 086 6037	IMPEDANCE,330 OHM P
L311	645 053 2177	IMPEDANCE,600 OHM P
L312	645 053 2177	IMPEDANCE,600 OHM P
L316	645 053 2177	IMPEDANCE,600 OHM P
L318	645 053 2177	IMPEDANCE,600 OHM P
L321	645 053 2177	IMPEDANCE,600 OHM P
L326	645 053 2177	IMPEDANCE,600 OHM P
L3411	645 092 3616	IMPEDANCE,22 OHM P
L3426	945 075 1388	INDUCTOR,10U M
L3436	645 048 5770	IMPEDANCE,33 OHM P
L3446	645 048 5770	IMPEDANCE,33 OHM P
L361	645 053 2177	IMPEDANCE,600 OHM P
L363	645 053 2177	IMPEDANCE,600 OHM P
L366	645 053 2177	IMPEDANCE,600 OHM P
L368	645 053 2177	IMPEDANCE,600 OHM P
L371	645 053 2177	IMPEDANCE,600 OHM P
L372	645 053 2177	IMPEDANCE,600 OHM P
L4001	945 086 7577	FILTER,EMI 400MHZ
L4002	945 086 7577	FILTER,EMI 400MHZ
L4003	945 086 7577	FILTER,EMI 400MHZ
L4004	945 086 7560	FILTER,EMI 200MHZ
L4006	945 086 7560	FILTER,EMI 200MHZ
L4451	645 053 2177	IMPEDANCE,600 OHM P
L4453	645 053 2177	IMPEDANCE,600 OHM P
L4456	645 053 2177	IMPEDANCE,600 OHM P
L4458	645 053 2177	IMPEDANCE,600 OHM P
L4701	945 086 6037	IMPEDANCE,330 OHM P
L4711	945 086 6037	IMPEDANCE,330 OHM P
L4712	945 086 6037	IMPEDANCE,330 OHM P
L4713	945 086 6037	IMPEDANCE,330 OHM P
L4714	945 086 6037	IMPEDANCE,330 OHM P
L4716	945 086 6037	IMPEDANCE,330 OHM P
L4731	945 086 6037	IMPEDANCE,330 OHM P
L4741	945 086 6037	IMPEDANCE,330 OHM P
L4742	945 086 6037	IMPEDANCE,330 OHM P
L4743	945 086 6037	IMPEDANCE,330 OHM P
L4744	945 086 6037	IMPEDANCE,330 OHM P
L4746	945 086 6037	IMPEDANCE,330 OHM P
L4801	945 075 1388	INDUCTOR,10U M
L4816	645 048 5770	IMPEDANCE,33 OHM P
L4826	945 086 6037	IMPEDANCE,330 OHM P
L4831	945 075 1388	INDUCTOR,10U M
L4846	945 086 6037	IMPEDANCE,330 OHM P
L4856	645 048 5770	IMPEDANCE,33 OHM P
L4871	945 075 1388	INDUCTOR,10U M
L4886	645 048 5770	IMPEDANCE,33 OHM P
L4896	645 048 5770	IMPEDANCE,33 OHM P
L5301	945 086 6037	IMPEDANCE,330 OHM P
L5321	945 086 6037	IMPEDANCE,330 OHM P
L5341	945 086 6037	IMPEDANCE,330 OHM P
L5366	945 086 6037	IMPEDANCE,330 OHM P
L5371	945 032 8344	INDUCTOR,39U J
L5521	945 086 6037	IMPEDANCE,330 OHM P
L5546	945 075 1388	INDUCTOR,10U M
L5581	645 092 3616	IMPEDANCE,22 OHM P
L5582	645 092 3616	IMPEDANCE,22 OHM P
L5583	645 092 3616	IMPEDANCE,22 OHM P
L5584	645 092 3616	IMPEDANCE,22 OHM P
L5591	645 092 3616	IMPEDANCE,22 OHM P
L5592	645 092 3616	IMPEDANCE,22 OHM P
L5593	645 092 3616	IMPEDANCE,22 OHM P
L5594	645 092 3616	IMPEDANCE,22 OHM P
L5606	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L5641	945 030 9855	INDUCTOR,600 OHM
L5642	945 030 9855	INDUCTOR,600 OHM
L5643	945 030 9855	INDUCTOR,600 OHM
L5644	945 030 9855	INDUCTOR,600 OHM
L5646	945 030 9855	INDUCTOR,600 OHM

Electrical Parts List

Key No.	Part No.	Description
L5647	945 030 9855	INDUCTOR,600 OHM
L5648	645 094 6714	INDUCTOR,700 OHM
L5651	945 030 9855	INDUCTOR,600 OHM
L5652	645 094 6714	INDUCTOR,700 OHM
L5653	945 030 9855	INDUCTOR,600 OHM
L5654	945 030 9855	INDUCTOR,600 OHM
L5655	945 030 9855	INDUCTOR,600 OHM
L5836	945 086 6037	IMPEDANCE,330 OHM P
L6201	945 086 6037	IMPEDANCE,330 OHM P
L6202	945 086 6037	IMPEDANCE,330 OHM P
L6203	945 086 6037	IMPEDANCE,330 OHM P
L6204	945 086 6037	IMPEDANCE,330 OHM P
L6206	945 086 6037	IMPEDANCE,330 OHM P
L6207	645 048 5770	IMPEDANCE,33 OHM P
L6211	945 075 1388	INDUCTOR,10U M
L6226	645 048 5770	IMPEDANCE,33 OHM P
L6236	645 048 5770	IMPEDANCE,33 OHM P
L6541	945 086 6037	IMPEDANCE,330 OHM P
L6546	945 086 6037	IMPEDANCE,330 OHM P
L6547	945 086 6037	IMPEDANCE,330 OHM P
L6548	945 086 6037	IMPEDANCE,330 OHM P
L6549	945 086 6037	IMPEDANCE,330 OHM P
L6551	945 086 6037	IMPEDANCE,330 OHM P
L6552	945 086 6037	IMPEDANCE,330 OHM P
L6553	945 086 6037	IMPEDANCE,330 OHM P
L6554	945 086 6037	IMPEDANCE,330 OHM P
L6556	945 086 6037	IMPEDANCE,330 OHM P
L6557	945 086 6037	IMPEDANCE,330 OHM P
L6558	945 086 6037	IMPEDANCE,330 OHM P
L6561	945 086 6037	IMPEDANCE,330 OHM P
L7201	945 086 6037	IMPEDANCE,330 OHM P
L7216	945 086 6037	IMPEDANCE,330 OHM P
L7221	945 086 6037	IMPEDANCE,330 OHM P
L7231	945 070 3660	INDUCTOR,90 OHM
L7232	945 070 3660	INDUCTOR,90 OHM
L7233	945 070 3660	INDUCTOR,90 OHM
L7234	945 070 3660	INDUCTOR,90 OHM
L7236	945 070 3660	INDUCTOR,90 OHM
L7237	945 070 3660	INDUCTOR,90 OHM
L7238	945 070 3660	INDUCTOR,90 OHM
L7239	945 070 3660	INDUCTOR,90 OHM
L7241	945 070 3660	INDUCTOR,90 OHM
L7242	945 070 3660	INDUCTOR,90 OHM
L7243	945 070 3660	INDUCTOR,90 OHM
L7244	945 070 3660	INDUCTOR,90 OHM
L7801	945 086 6037	IMPEDANCE,330 OHM P
L7802	945 086 6037	IMPEDANCE,330 OHM P
L7803	945 086 6037	IMPEDANCE,330 OHM P
L7804	945 086 6037	IMPEDANCE,330 OHM P
L7805	945 086 6037	IMPEDANCE,330 OHM P
L7806	945 086 6037	IMPEDANCE,330 OHM P
L7807	945 086 6037	IMPEDANCE,330 OHM P
L7808	945 086 6037	IMPEDANCE,330 OHM P
L7809	945 086 6037	IMPEDANCE,330 OHM P
L7811	945 086 6037	IMPEDANCE,330 OHM P
L7812	945 086 6037	IMPEDANCE,330 OHM P
L7813	945 086 6037	IMPEDANCE,330 OHM P
L7814	945 086 6037	IMPEDANCE,330 OHM P
L7815	945 086 6037	IMPEDANCE,330 OHM P
L7816	945 086 6037	IMPEDANCE,330 OHM P
L7817	945 086 6037	IMPEDANCE,330 OHM P
L7818	945 086 6037	IMPEDANCE,330 OHM P
L7819	945 086 6037	IMPEDANCE,330 OHM P
L7821	945 086 6037	IMPEDANCE,330 OHM P
L8006	945 086 6037	IMPEDANCE,330 OHM P
L8013	945 086 6037	IMPEDANCE,330 OHM P
L8016	945 086 6037	IMPEDANCE,330 OHM P
L8021	945 086 6037	IMPEDANCE,330 OHM P
L8023	945 086 6037	IMPEDANCE,330 OHM P
L8036	945 086 6037	IMPEDANCE,330 OHM P
L8051	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L8052	945 086 6037	IMPEDANCE,330 OHM P
L8161	945 086 6037	IMPEDANCE,330 OHM P
L9301	945 050 8449	IMPEDANCE,1000 OHM P
L9302	645 053 2177	IMPEDANCE,600 OHM P
L9801	945 086 6037	IMPEDANCE,330 OHM P
L9802	945 070 3660	INDUCTOR,90 OHM
DIODE		
D1001	307 254 4116	ZENER DIODE RSB6.8CS T2R
D1002	307 254 4116	ZENER DIODE RSB6.8CS T2R
D1021	307 254 4116	ZENER DIODE RSB6.8CS T2R
D1022	307 254 4116	ZENER DIODE RSB6.8CS T2R
D1091	307 205 5216	DIODE RB521S-30-TE61
D1092	307 205 5216	DIODE RB521S-30-TE61
D1093	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D276	307 163 0414	DIODE 1SS352-(TPH3)
D296	307 163 0414	DIODE 1SS352-(TPH3)
D3436	307 163 0414	DIODE 1SS352-(TPH3)
D3446	307 163 0414	DIODE 1SS352-(TPH3)
D4711	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3
D4716	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3
D4741	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3
D4746	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3
D4766	307 163 0414	DIODE 1SS352-(TPH3)
D4791	307 163 0414	DIODE 1SS352-(TPH3)
D4881	307 163 0414	DIODE 1SS352-(TPH3)
D4896	307 163 0414	DIODE 1SS352-(TPH3)
D5201	307 222 5916	ZENER DIODEUDZS3.6B-TE-17
D5202	307 222 5916	ZENER DIODEUDZS3.6B-TE-17
D5203	307 222 5916	ZENER DIODEUDZS3.6B-TE-17
D5204	307 222 5916	ZENER DIODEUDZS3.6B-TE-17
D5205	307 222 5916	ZENER DIODEUDZS3.6B-TE-17
D5501	307 163 0414	DIODE 1SS352-(TPH3)
D5502	307 163 0414	DIODE 1SS352-(TPH3)
D5511	307 163 0414	DIODE 1SS352-(TPH3)
D5512	307 163 0414	DIODE 1SS352-(TPH3)
D5546	307 163 0414	DIODE 1SS352-(TPH3)
D5563	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5581	307 190 4119	DIODE SFPL-52V
D5582	307 190 4119	DIODE SFPL-52V
D5583	307 190 4119	DIODE SFPL-52V
D5584	307 190 4119	DIODE SFPL-52V
D5601	307 163 0414	DIODE 1SS352-(TPH3)
D5611	307 163 0414	DIODE 1SS352-(TPH3)
D5612	307 163 0414	DIODE 1SS352-(TPH3)
D5616	307 163 0414	DIODE 1SS352-(TPH3)
D5621	307 163 0414	DIODE 1SS352-(TPH3)
D5622	307 163 0414	DIODE 1SS352-(TPH3)
D6226	307 163 0414	DIODE 1SS352-(TPH3)
D6236	307 163 0414	DIODE 1SS352-(TPH3)
D6516	307 163 0414	DIODE 1SS352-(TPH3)
D6517	307 163 0414	DIODE 1SS352-(TPH3)
D6536	307 163 0414	DIODE 1SS352-(TPH3)
D6537	307 163 0414	DIODE 1SS352-(TPH3)
D8161	307 205 5216	DIODE RB521S-30-TE61
D8162	307 205 5216	DIODE RB521S-30-TE61
D8163	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
MISCELLANEOUS		
IC4781	307 236 0310	SENSOR MPXHZ6115A6T1
K10A	945 077 1058	SOCKET,IF(HDMI) 19P
K10B	945 078 7899	SOCKET,DVI 24P
K10C	952 001 8601	SOCKET,D-SUB 15P
K10L	645 094 0859	SOCKET,LVDS 51P

Electrical Parts List

Key No.	Part No.	Description
K20A	645 098 7748	SOCKET,BNC 3P
K38C	645 095 2647	SOCKET,USB 4P
K40A	952 001 8571	SOCKET,D-SUB 15P
SC1001	945 076 3503	SURGE-ABSORBER
SC1002	945 076 3503	SURGE-ABSORBER
SC1021	945 076 3503	SURGE-ABSORBER
SC1022	945 076 3503	SURGE-ABSORBER
SC1031	945 076 3503	SURGE-ABSORBER
SC1032	945 076 3503	SURGE-ABSORBER
SC1033	945 076 3503	SURGE-ABSORBER
SC1034	945 076 3503	SURGE-ABSORBER
SC1036	945 076 3503	SURGE-ABSORBER
SC1037	945 076 3503	SURGE-ABSORBER
SC1038	945 076 3503	SURGE-ABSORBER
SC1039	945 076 3503	SURGE-ABSORBER
SC2031	945 076 3503	SURGE-ABSORBER
SC2036	945 076 3503	SURGE-ABSORBER
SC2038	945 076 3503	SURGE-ABSORBER
SC9801	945 076 3503	SURGE-ABSORBER
SC9802	945 076 3503	SURGE-ABSORBER
SC9803	945 076 3503	SURGE-ABSORBER
X1351	945 088 7179	OSC,CRYSTAL 27.0MHZ
X1801	645 092 8857	OSC,CRYSTAL 48MHZ
X201	945 076 2407	OSC,CRYSTAL 25.000MHZ
X2201	945 041 3842	OSC,CRYSTAL 4MHZ
X2301	945 088 7179	OSC,CRYSTAL 27.0MHZ
X6201	945 076 5194	OSC,CRYSTAL 79.991883MHZ
X8001	945 088 7179	OSC,CRYSTAL 27.0MHZ

Key No.	Part No.	Description

Diagrams & Drawings

Schematic Diagrams
Printed Wiring Board Drawings

Model Name	Chassis No.
DS+750	103-023106-01-00

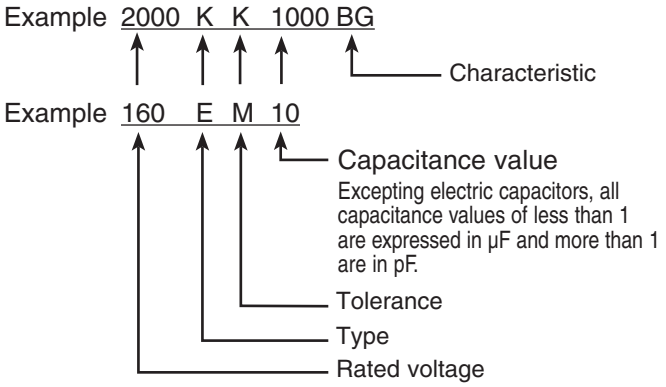
These schematic diagrams and printed wiring board drawings are part of the service manual original for chassis No. 103-023106-01-000 model DS+750. File with the service manual No. SM5111097-00

Note:
All the information of part numbers and values indicated on these diagrams are at the beginning of production. To improve the performance, there may be some differences to the actual set. When you order the service parts, use service parts code mentioned on the parts list in this service manual.

Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal (1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading


Example 2000 K K 1000 BG
Characteristic
Example 160 E M 10
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in µF and more than 1 are in pF.
Tolerance
Type
Rated voltage

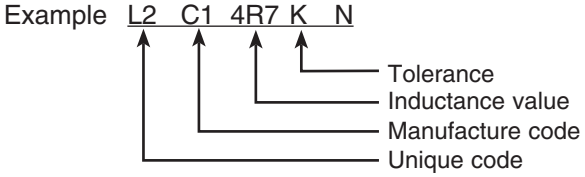
● **Material table**

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypromylar
B	Ceramic (semiconductor)
G	Metalized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

● **Tolerance table**

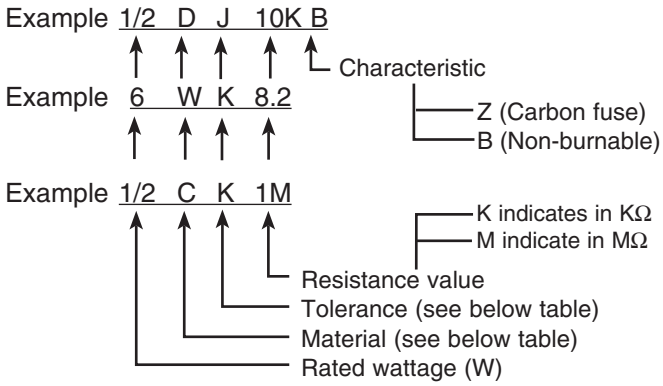
Mark	Tolerance	
A	not specified	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
E	±2.5	
H	±3	
J	±5	
K	±10	
M	±20	
N	±30	
P	+100	-0
Q	+30	-10
T	+50	-10
U	+75	-10
V	+20	-10
W	+100	-10
X	+40	-20
Y	+150	-10
Z	+80	-20

Coil Reading



Mark	Tolerance (nH)	Mark	Tolerance (%)
C	±0.25	G	±2
D	±0.5	J	±5
S	±0.3	K	±10
A	±0.2	L	±15
		M	±20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

● **Material table**

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire wounding or cement
H	Ceramic
F	Fusible

● **Tolerance table**

Mark	Tolerance
A	±0.05
B	±0.1
C	±0.25
D	±0.5
F	±1
G	±2
J	±5
K	±10
M	±20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

● **Diode**

Mark	Type number
R	1S2076A,1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

● **Transistor**

(1) NPN type

Mark	Type number				
--	2SC536	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA, RA	O, Y, GR	Q, R, S	

(2) PNP type

Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

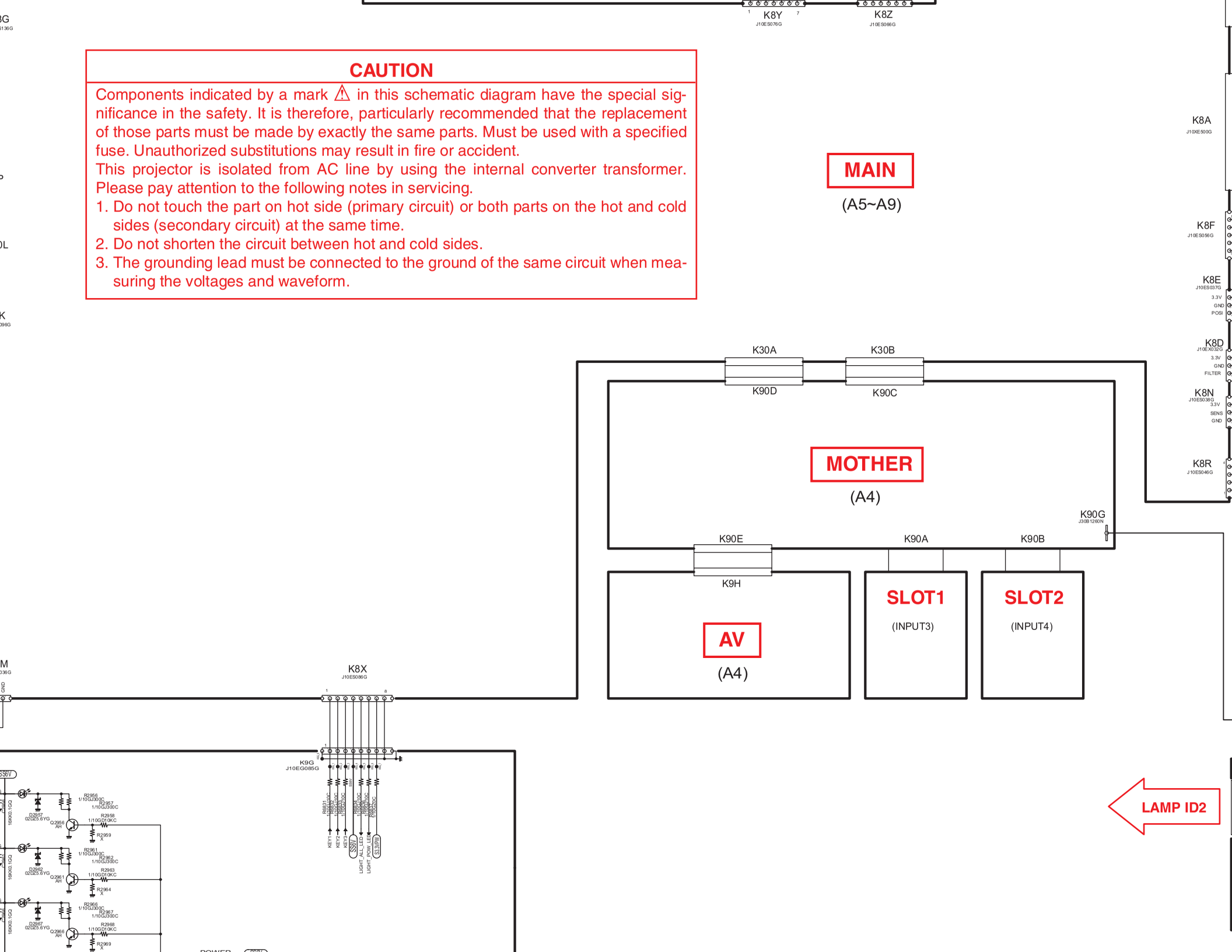
Mark	Type number				
--	2SA1179N	2SA1037K	2SA1037AK	2SC2812/N	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

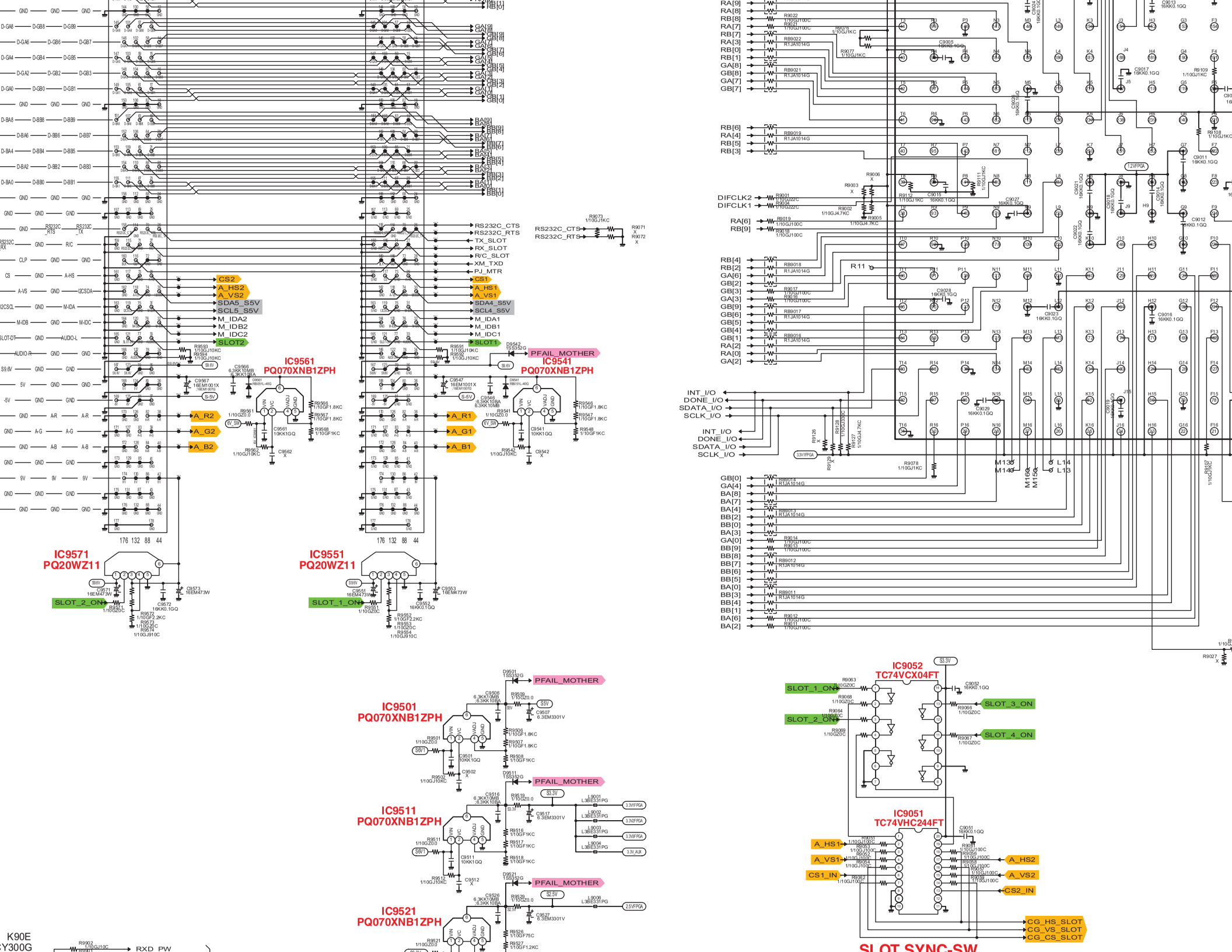
CAUTION

Components indicated by a mark ⚠ in this schematic diagram have the special significance in the safety. It is therefore, particularly recommended that the replacement of those parts must be made by exactly the same parts. Must be used with a specified fuse. Unauthorized substitutions may result in fire or accident.

This projector is isolated from AC line by using the internal converter transformer. Please pay attention to the following notes in servicing.

1. Do not touch the part on hot side (primary circuit) or both parts on the hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring the voltages and waveform.

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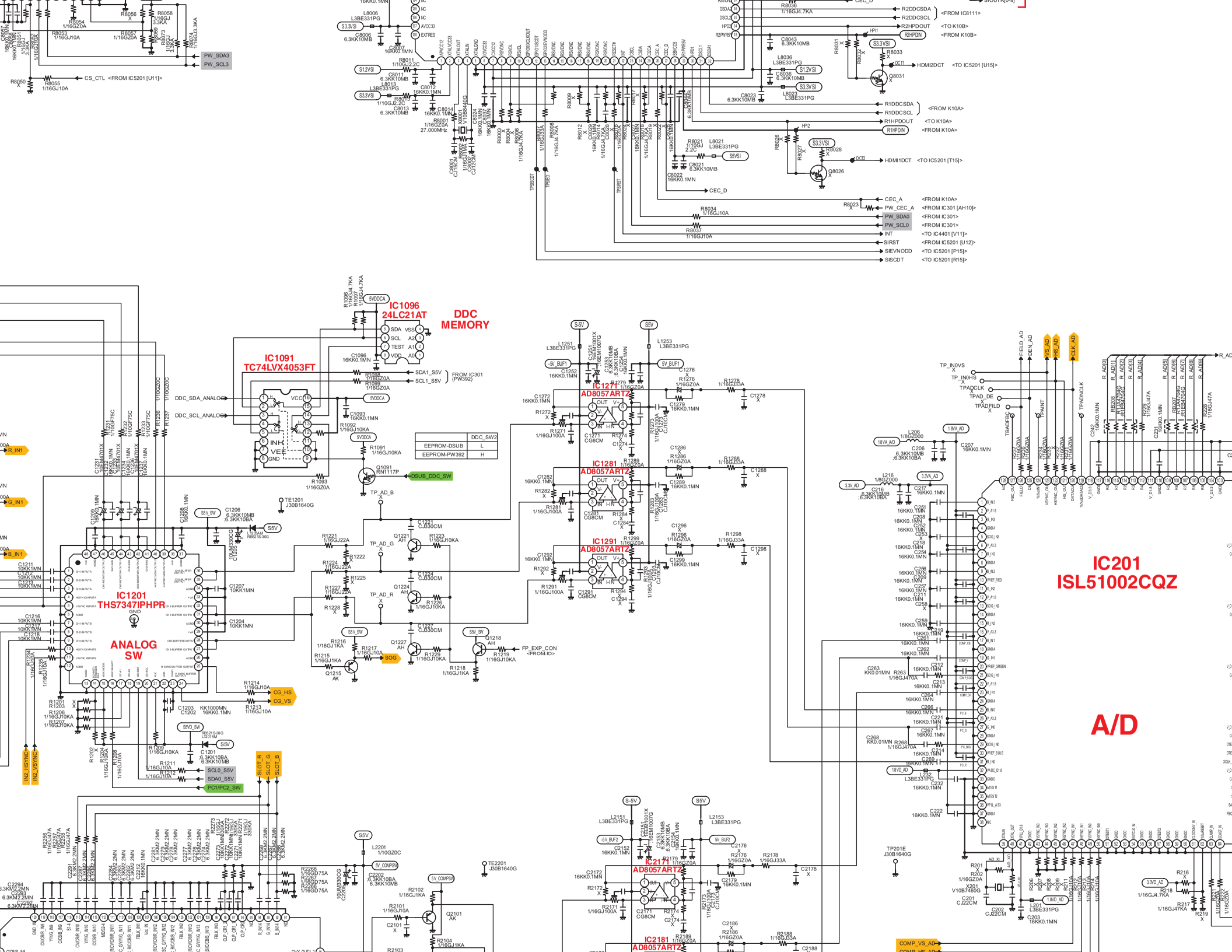
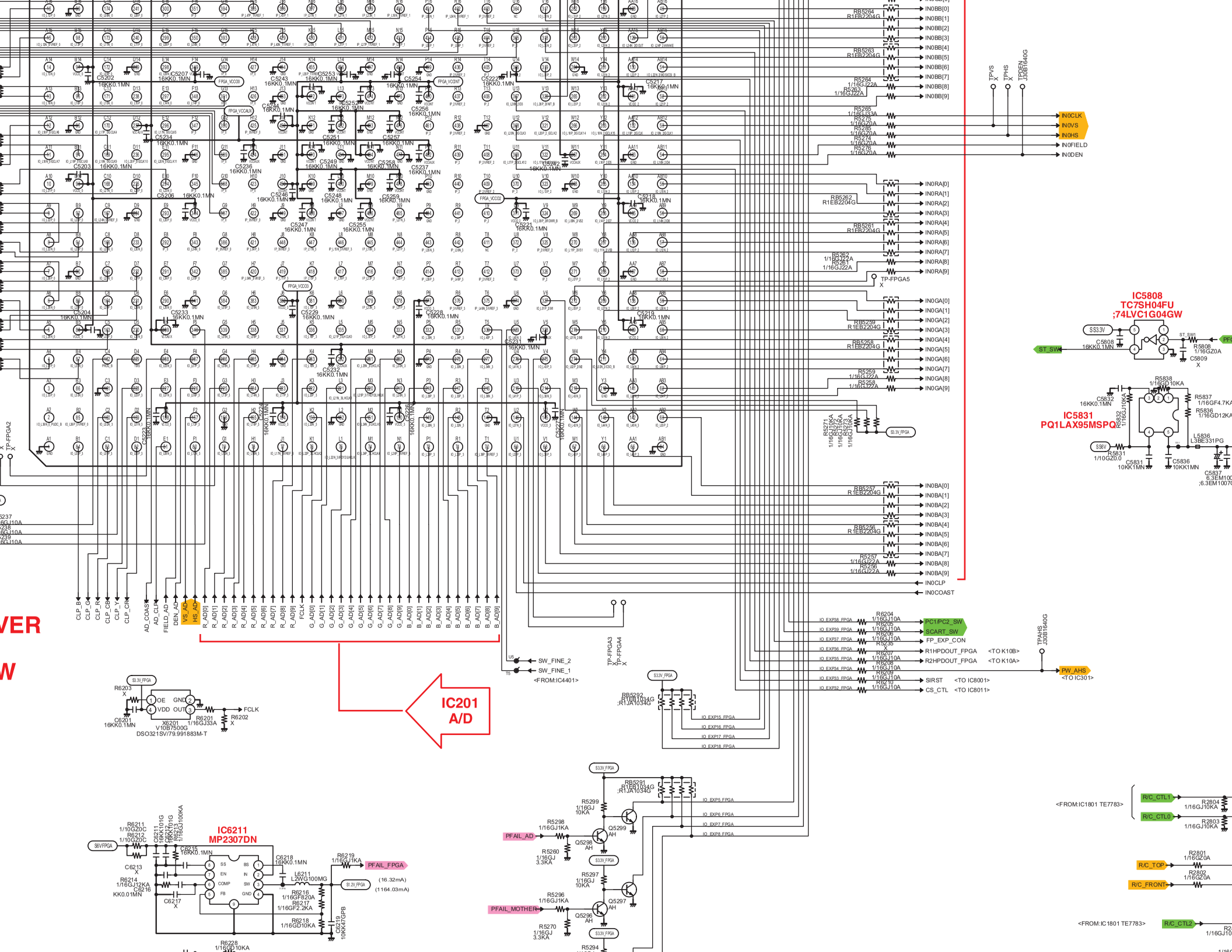
IC9541
PQ070XNB1ZPH
IC9571
PQ20WZ11
IC9551
PQ20WZ11
IC9501
PQ070XNB1ZPH
IC9511
PQ070XNB1ZPH
IC9521
PQ070XNB1ZPH
IC9052
TC74VCX04FT
IC9051
TC74VHC244FT
SLOT SYNC-SW
PFAIL_MOTHER
CS2
A_HS2
A_VS2
SDA5_S5V
SCL5_S5V
M_IDA2
M_IDB2
M_IDC2
SLOT2
CS1
A_HS1
A_VS1
SDA4_S5V
SCL4_S5V
M_IDA1
M_IDB1
M_IDC1
SLOT1
A_R2
A_G2
A_B2
A_R1
A_G1
A_B1
SLOT_2_ON
SLOT_1_ON
SLOT_3_ON
SLOT_4_ON
CG_HS_SLOT
CG_VS_SLOT
CG_CS_SLOT
RS232C_CTS
RS232C_RTS
TX_SLOT
RX_SLOT
R/C_SLOT
XM_TXD
PJ_MTR
DIFCLK2
DIFCLK1
INT_I/O
DONE_I/O
SDATA_I/O
SCLK_I/O
12VFPGA
3.3V/FPGA
2.5V/FPGA
3.3V_AUX


IC1096
24LC21AT
DDC MEMORY
IC1091
TC74LVX4053FT
IC1201
THS7347IPHPR
ANALOG SW
IC1271
AD8057ART2
IC1281
AD8057ART2
IC1291
AD8057ART2
IC201
ISL51002CQZ
A/D
IC2171
AD8057ART2
IC2181
AD8057ART2
IC2191
AD8057ART2
CS_CTL <FROM IC5201 [U11]>
PW_SDA3
PW_SCL3
R2DDCSDA
R2DDCSCL
<FROM IC8111>
R2HPDOUT
<TO K10B>
R2HPDIN
<FROM K10B>
HDMI2DCT
<TO IC5201 [U15]>
R1DDCSDA
R1DDCSCL
<FROM K10A>
R1HPDOUT
<TO K10A>
R1HPDIN
<FROM K10A>
HDMI1DCT
<TO IC5201 [T15]>
CEC_D
CEC_A
<FROM K10A>
PW_CEC_A
<FROM IC301 [AH10]>
PW_SDA0
<FROM IC301>
PW_SCL0
<FROM IC301>
INT
<TO IC4401 [V11]>
SIRST
<FROM IC5201 [U12]>
SIEVNODD
<TO IC5201 [P15]>
SISCDT
<TO IC5201 [R15]>
SDA1_S5V
SCL1_S5V
FROM IC301 (PW392)
DDC_SDA_ANALOG
DDC_SCL_ANALOG
DSUB_DDC_SW
EEPROM-DSUB
EEPROM-PW392
DDC_SW2
L
H
FP_EXP_CON
<FROM IO>
CG_HS
CG_VS
SOG
SCL0_S5V
SDA0_S5V
PC1/PC2_SW
SLOT_R
SLOT_G
SLOT_B
IN2_HSYNC
IN2_VSYNC
R_IN1
G_IN1
B_IN1
TP_IN0VS
TP_IN0HS
TPADCLK
TPAD_DE
TPADFILD
TPADPCLK
FIELD_AD
DEN_AD
VS_AD
HS_AD
CLK_AD
COMP_VS_AD


IC5808
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;74LVC1G04GW
IC5831
PQ1LAX95MSPQ
IC201
A/D
IC6211
MP2307DN
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IN0BB[3]
IN0BB[4]
IN0BB[5]
IN0BB[6]
IN0BB[7]
IN0BB[8]
IN0BB[9]
IN0CLK
IN0VS
IN0HS
IN0FIELD
IN0DEN
IN0RA[0]
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IN0RA[3]
IN0RA[4]
IN0RA[5]
IN0RA[6]
IN0RA[7]
IN0RA[8]
IN0RA[9]
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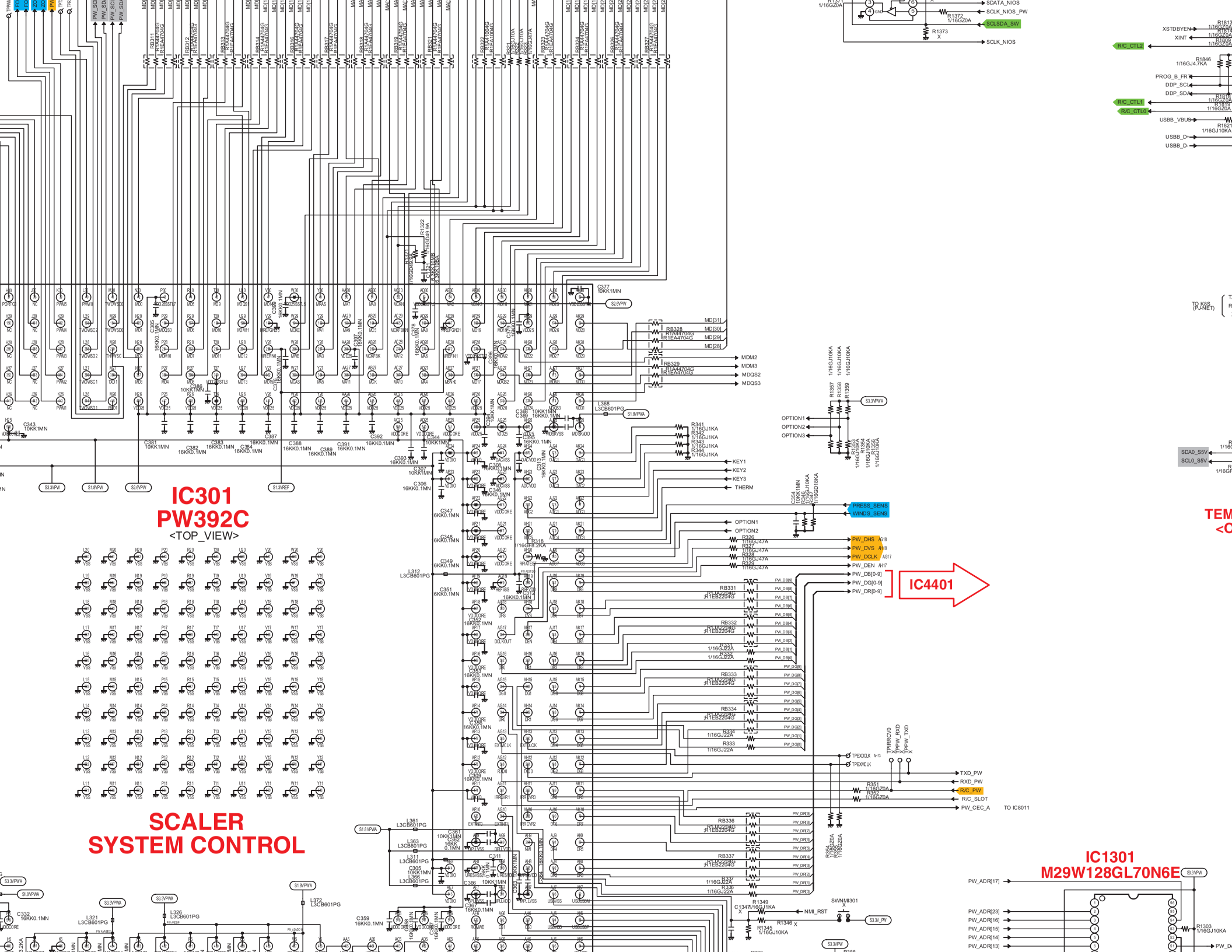
IN0BA[4]
IN0BA[5]
IN0BA[6]
IN0BA[7]
IN0BA[8]
IN0BA[9]
IN0CLP
IN0COAST
PC1/PC2_SW
SCART_SW
FP_EXP_CON
R1HPDOUT_FPGA
R2HPDOUT_FPGA
SIRST
CS_CTL
PFAIL_AD
PFAIL_MOTHER
PFAIL_FPGA
FCLK
SW_FINE_2
SW_FINE_1
R/C_CTL1
R/C_CTL0
R/C_TOP
R/C_FRONT
R/C_CTL2


IC301
PW392C
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SCALER
SYSTEM CONTROL
IC4401
IC1301
M29W128GL70N6E
TEM
<C
TO IC8011
MD[31]
MD[30]
MD[29]
MD[28]
MDM2
MDM3
MDQS2
MDQS3
KEY1
KEY2
KEY3
THERM
OPTION1
OPTION2
OPTION3
PRESS_SENS
WINDS_SENS
PW_DHS
PW_DVS
PW_DCLK
PW_DEN
PW_DB[0-9]
PW_DG[0-9]
PW_DR[0-9]
TXD_PW
RXD_PW
R/C_PW
R/C_SLOT
PW_CEC_A
SDATA_NIOS
SCLK_NIOS_PW
SCLSDA_SW
SCLK_NIOS
XSTDBYEN
XINT
R/C_CTL2
PROG_B_FR
DDP_SCL
DDP_SDA
R/C_CTL1
R/C_CTL0
USBB_VBUS
USBB_D+
USBB_D-
SDA0_5V
SCL0_5V
NMI_RST
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PW_ADR[23]
PW_ADR[16]
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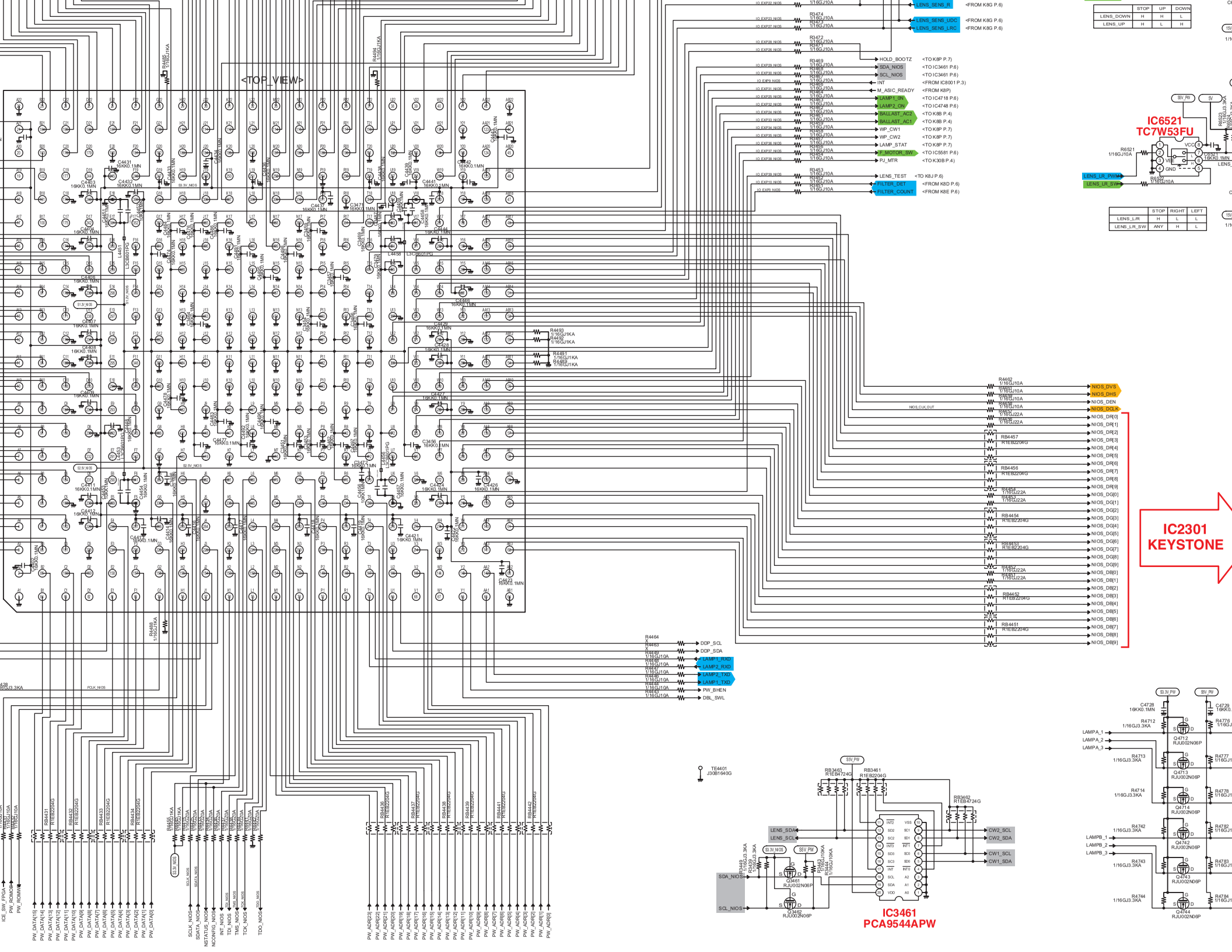
PW_ADR[14]
PW_ADR[13]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IC2301
KEYSTONE
IC6521
TC7W53FU
IC3461
PCA9544APW
NIOS_DVS
NIOS_DHS
NIOS_DEN
NIOS_DCLK
NIOS_DR[0]
NIOS_DR[1]
NIOS_DR[2]
NIOS_DR[3]
NIOS_DR[4]
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NIOS_DB[7]
NIOS_DB[8]
NIOS_DB[9]
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DDP_SCL
DDP_SDA
LAMP1_RXD
LAMP2_RXD
LAMP2_TXD
LAMP1_TXD
PW_BHEN
DBL_SWL
LENS_SENS_R
LENS_SENS_UDC
LENS_SENS_LRC
HOLD_BOOTZ
SDA_NIOS
SCL_NIOS
INT
M_ASIC_READY
LAMP1_ON
LAMP2_ON
BALLAST_AC2
BALLAST_AC1
WP_CW1
WP_CW2
LAMP_STAT
P_MOTOR_SW
PJ_MTR
LENS_TEST
FILTER_DET
FILTER_COUNT
LENS_LR_PWM
LENS_LR_SW
LAMPA_1
LAMPA_2
LAMPA_3
LAMPB_1
LAMPB_2
LAMPB_3
CW2_SCL
CW2_SDA
CW1_SCL
CW1_SDA
FCLK_NIOS
SCLK_NIOS
SDATA_NIOS
NSTATUS_NIOS
NCONFIG_NIOS
INT_NIOS
TDI_NIOS
TMS_NIOS
TCK_NIOS
TDO_NIOS
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S1.8V_NIOS
S2.5V_NIOS
S3.3V_NIOS
S3.3V_PW
S5V_PW
S5V
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L4458
L4456
L4457
L4459
L4460
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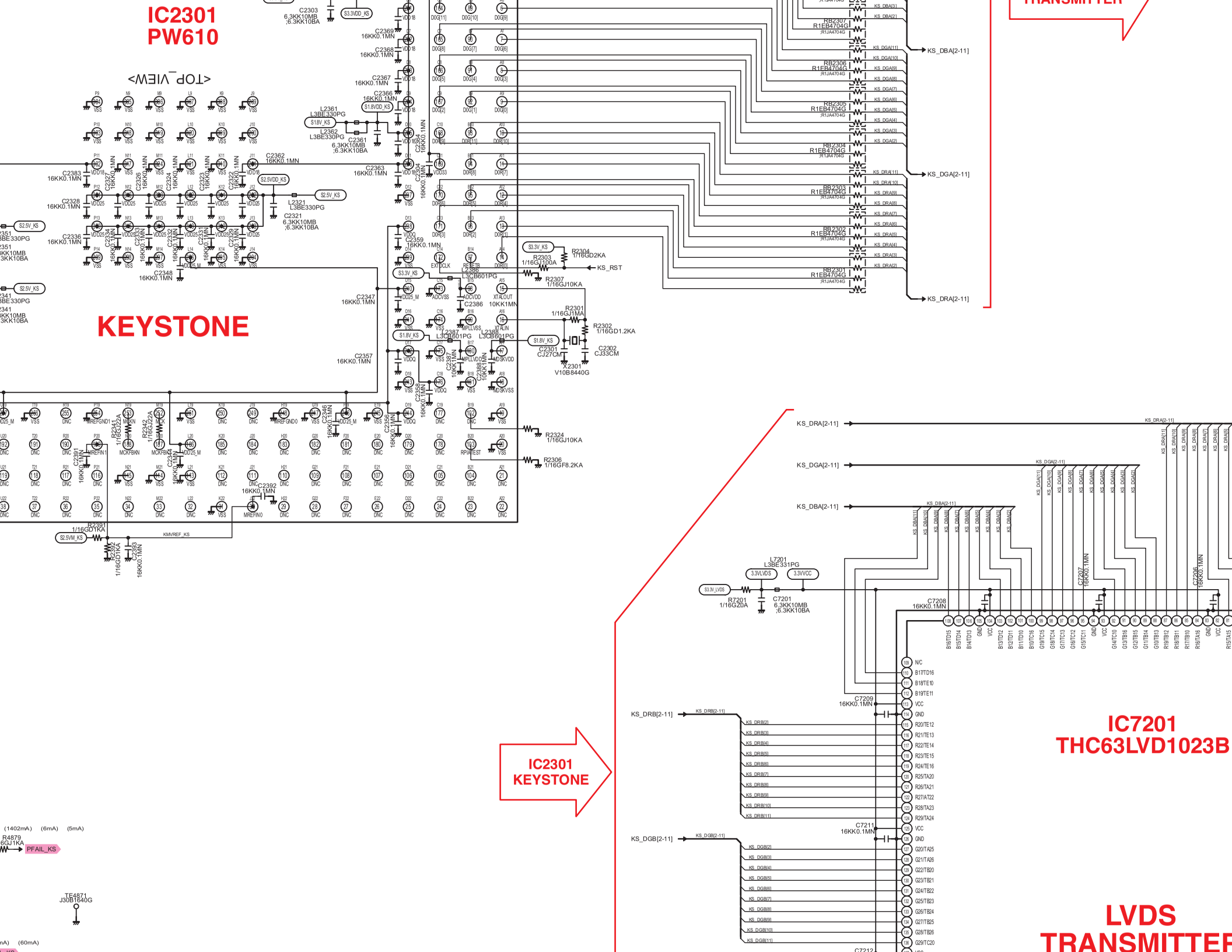
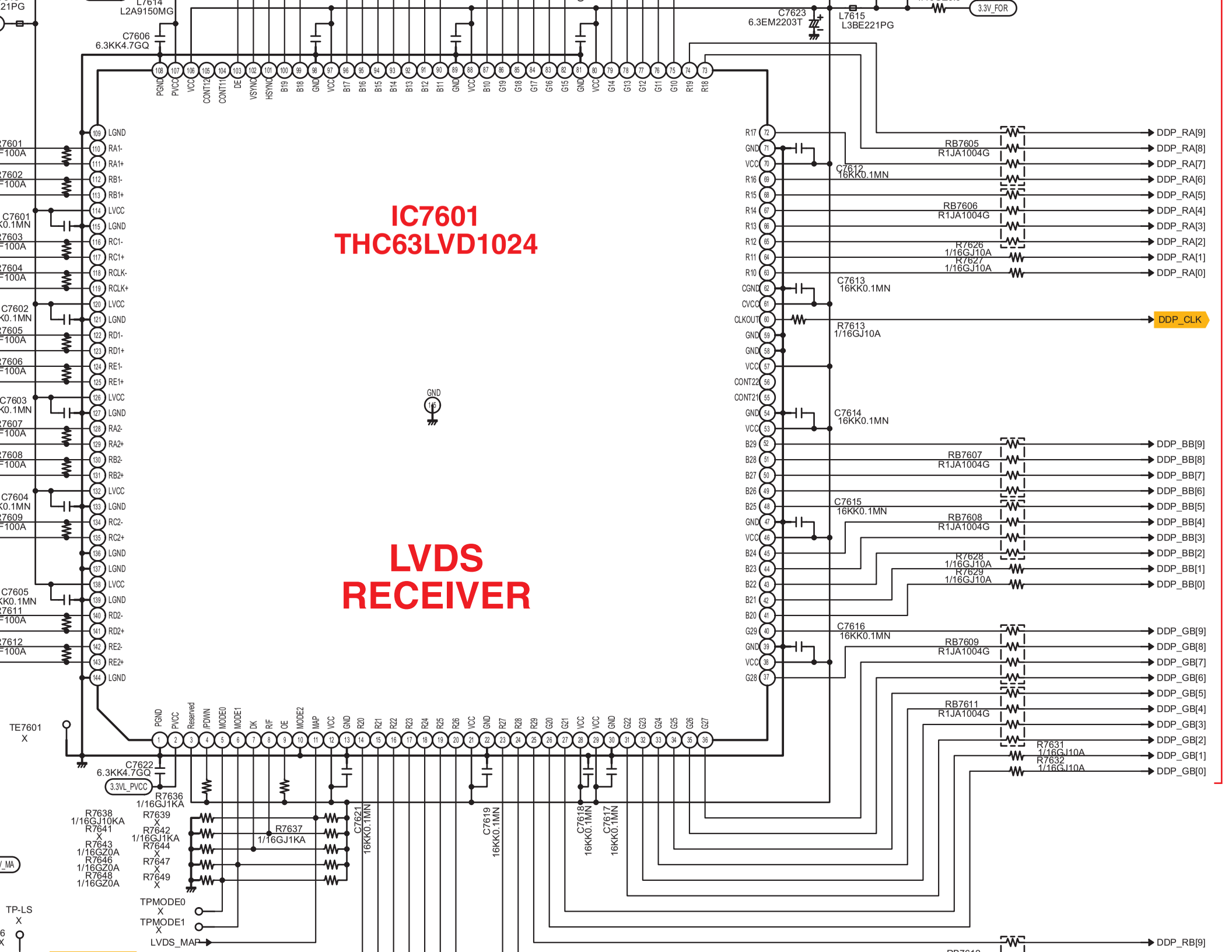
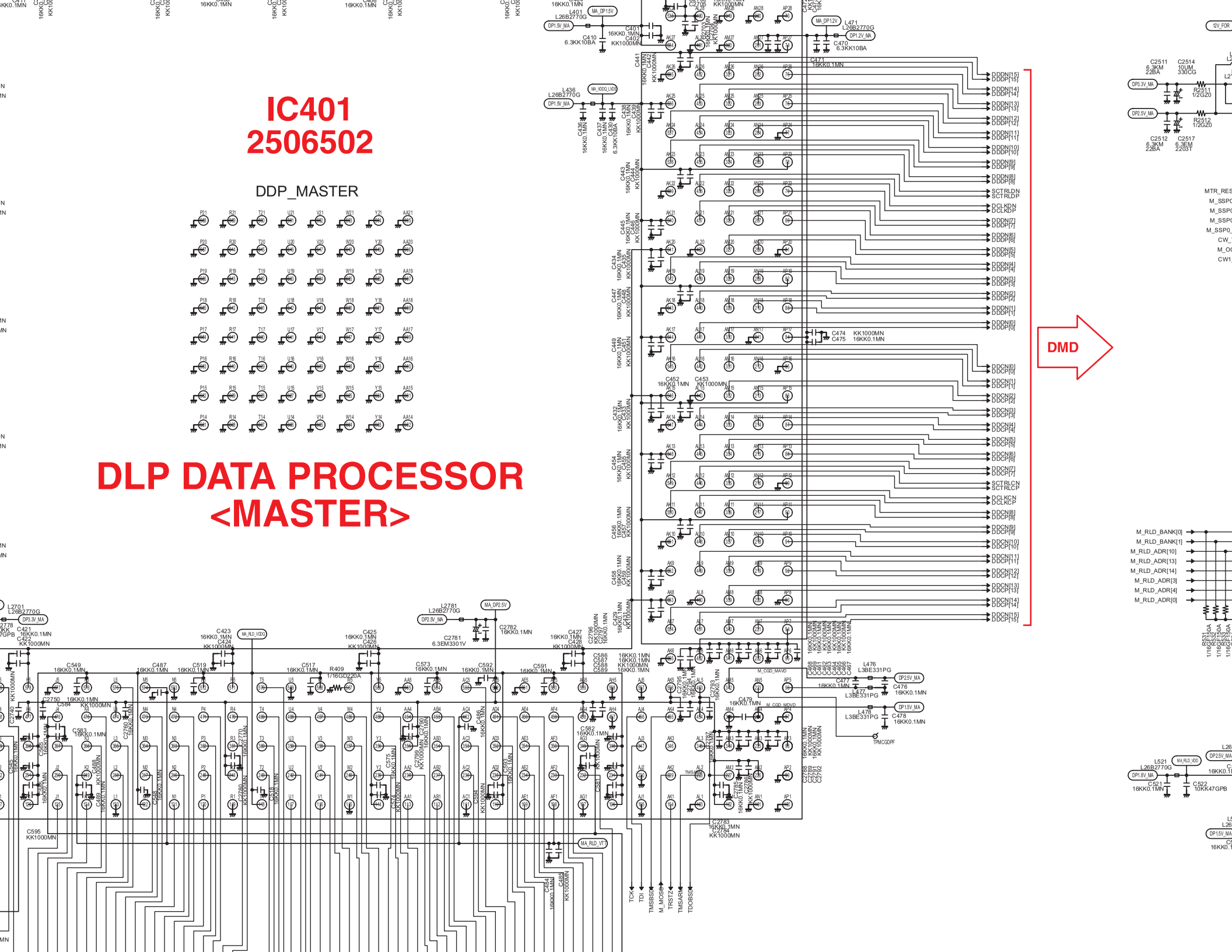
L4498


IC2301
PW610
KEYSTONE
IC2301
KEYSTONE
IC7201
THC63LVD1023B
LVDS
TRANSMITTER
KS_DRA[2-11]
KS_DGA[2-11]
KS_DBA[2-11]
KS_DRB[2-11]
KS_DGB[2-11]
KS_RST
PFAIL_KS
KMVREF_KS


IC7601
THC63LVD1024
LVDS
RECEIVER
L7614
L2A9150MG
C7606
6.3KK4.7GQ
C7623
6.3EM2203T
L7615
L3BE221PG
3.3V_FOR
PGND PVCC VCC CONT12 CONT11 DE VSYNC HSYNC B19 B18 GND VCC B17 B16 B15 B14 B13 B12 B11 GND VCC B10 G19 G18 G17 G16 G15 GND VCC G14 G13 G12 G11 G10 R19 R18
LGND RA1- RA1+ RB1- RB1+ LVCC LGND RC1- RC1+ RCLK- RCLK+ LVCC LGND RD1- RD1+ RE1- RE1+ LVCC LGND RA2- RA2+ RB2- RB2+ LVCC LGND RC2- RC2+ LGND LGND LVCC LGND RD2- RD2+ RE2- RE2+ LGND
R17 GND VCC R16 R15 R14 R13 R12 R11 R10 CGND CVCC CLKOUT GND GND VCC CONT22 CONT21 GND VCC B29 B28 B27 B26 B25 GND VCC B24 B23 B22 B21 B20 G29 GND VCC G28
RB7605 R1JA1004G
RB7606 R1JA1004G
RB7607 R1JA1004G
RB7608 R1JA1004G
RB7609 R1JA1004G
RB7611 R1JA1004G
C7612 16KK0.1MN
C7613 16KK0.1MN
C7614 16KK0.1MN
C7615 16KK0.1MN
C7616 16KK0.1MN
R7613 1/16GJ10A
R7626 1/16GJ10A
R7627 1/16GJ10A
R7628 1/16GJ10A
R7629 1/16GJ10A
R7631 1/16GJ10A
R7632 1/16GJ10A
DDP_CLK
DDP_RA[9] DDP_RA[8] DDP_RA[7] DDP_RA[6] DDP_RA[5] DDP_RA[4] DDP_RA[3] DDP_RA[2] DDP_RA[1] DDP_RA[0]
DDP_BB[9] DDP_BB[8] DDP_BB[7] DDP_BB[6] DDP_BB[5] DDP_BB[4] DDP_BB[3] DDP_BB[2] DDP_BB[1] DDP_BB[0]
DDP_GB[9] DDP_GB[8] DDP_GB[7] DDP_GB[6] DDP_GB[5] DDP_GB[4] DDP_GB[3] DDP_GB[2] DDP_GB[1] DDP_GB[0]
DDP_RB[9]
GND
TE7601
X
PGND PVCC Reserved PDWN MODE0 MODE1 DK R/F OE MODE2 MAP VCC GND R20 R21 R22 R23 R24 R25 R26 VCC GND R27 R28 R29 G20 G21 VCC VCC GND G22 G23 G24 G25 G26 G27
C7622
6.3KK4.7GQ
3.3VL_PVCC
R7636
1/16GJ1KA
R7638
1/16GJ10KA
R7639
X
R7641
X
R7642
1/16GJ1KA
R7643
1/16GZ0A
R7644
X
R7646
1/16GZ0A
R7647
X
R7648
1/16GZ0A
R7649
X
R7637
1/16GJ1KA
C7621
16KK0.1MN
C7619
16KK0.1MN
C7618
16KK0.1MN
C7617
16KK0.1MN
TPMODE0
X
TPMODE1
X
LVDS_MAP
TP-LS
X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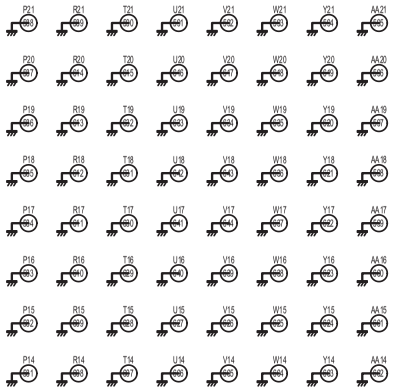
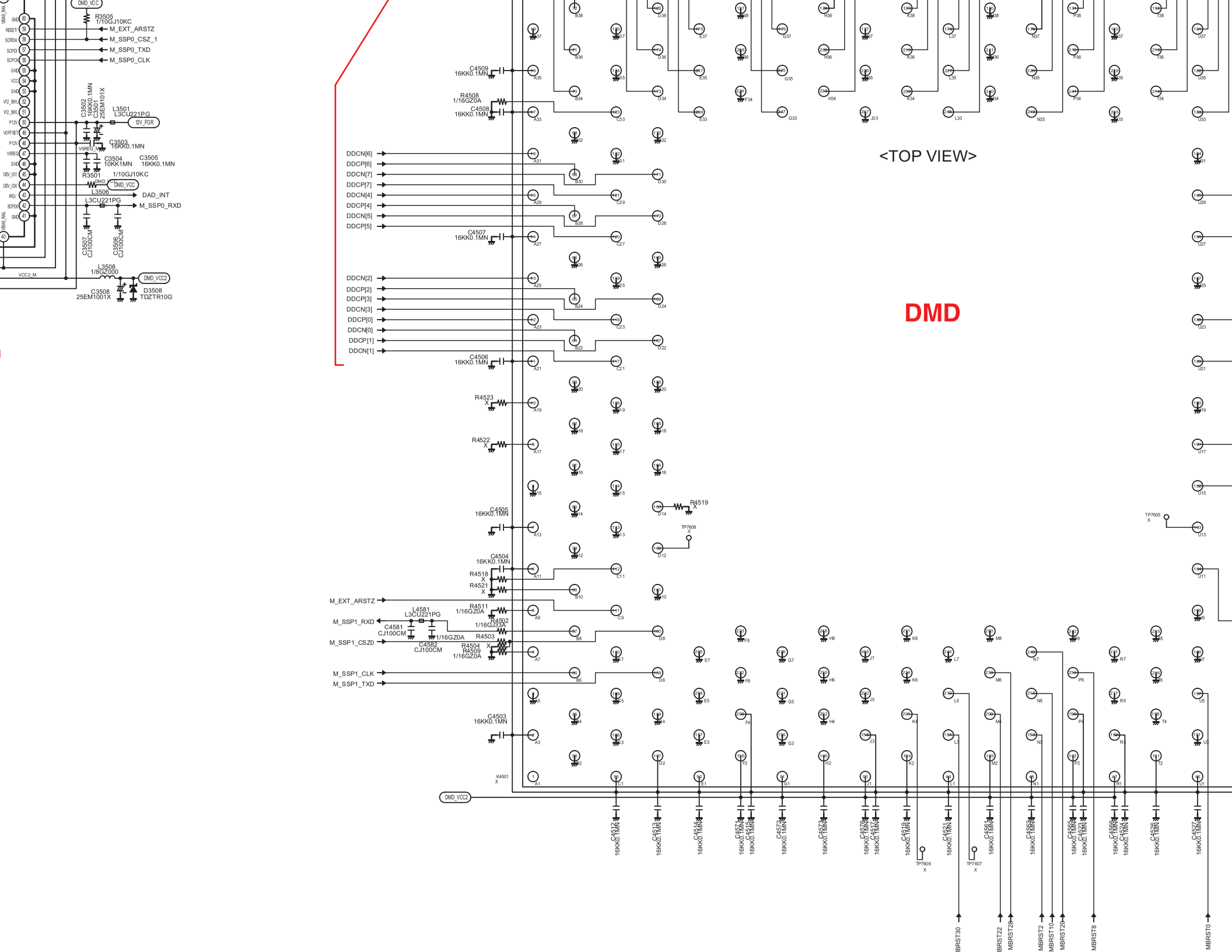
2506502
DDP_MASTER
DLP DATA PROCESSOR
<MASTER>
DMD

IC1401
2506502

DDP_SLAVE



DLP DATA PROCESSOR
<SLAVE>


DMD_VCC
R3505
1/10GJ10KC
M_EXT_ARSTZ
M_SSP0_CSZ_1
M_SSP0_TXD
M_SSP0_CLK
C3502
16KK0.1MN
C3501
25EM1001X
L3501
L3CU221PG
12V_FOR
C3503
16KK0.1MN
C3504
10KK1MN
C3505
16KK0.1MN
R3501
1/10GJ10KC
L3506
DAD_INT
L3CU221PG
M_SSP0_RXD
C3507
CJ100CM
C3506
CJ100CM
L3508
1/8GZ000
DMD_VCC2
C3508
25EM1001X
D3508
TDZTR10G
<TOP VIEW>
DMD
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DDCP[6]
DDCN[7]
DDCP[7]
DDCN[4]
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DDCN[5]
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DDCP[2]
DDCP[3]
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DDCP[1]
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C4509
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R4508
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C4508
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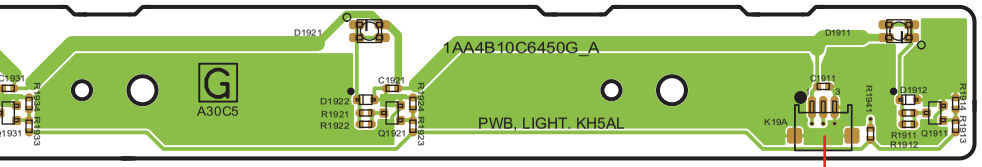
C4507
16KK0.1MN
C4506
16KK0.1MN
C4505
16KK0.1MN
C4504
16KK0.1MN
C4503
16KK0.1MN
R4523
X
R4522
X
R4519
X
TP7608
X
R4518
X
R4521
X
R4511
1/16GZ0A
C4502
1/16GJ33A
R4503
1/16GZ0A
R4504
X
R4509
1/16GZ0A
M_EXT_ARSTZ
M_SSP1_RXD
M_SSP1_CSZ0
M_SSP1_CLK
M_SSP1_TXD
L4581
L3CU221PG
C4581
CJ100CM
C4582
CJ100CM
K4501
X
DMD_VCC2
TP7605
X
TP7606
X
TP7607
X
MBRST30
MBRST22
MBRST20
MBRST2
MBRST10
MBRST20
MBRST8
MBRST0

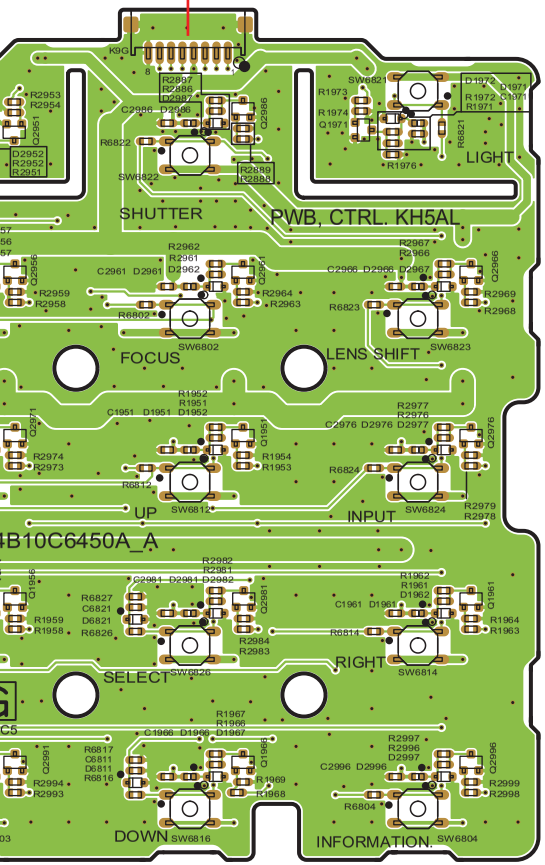
sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold si
3. The grounding lead must be connected to the grou
measuring of voltages and waveforms.

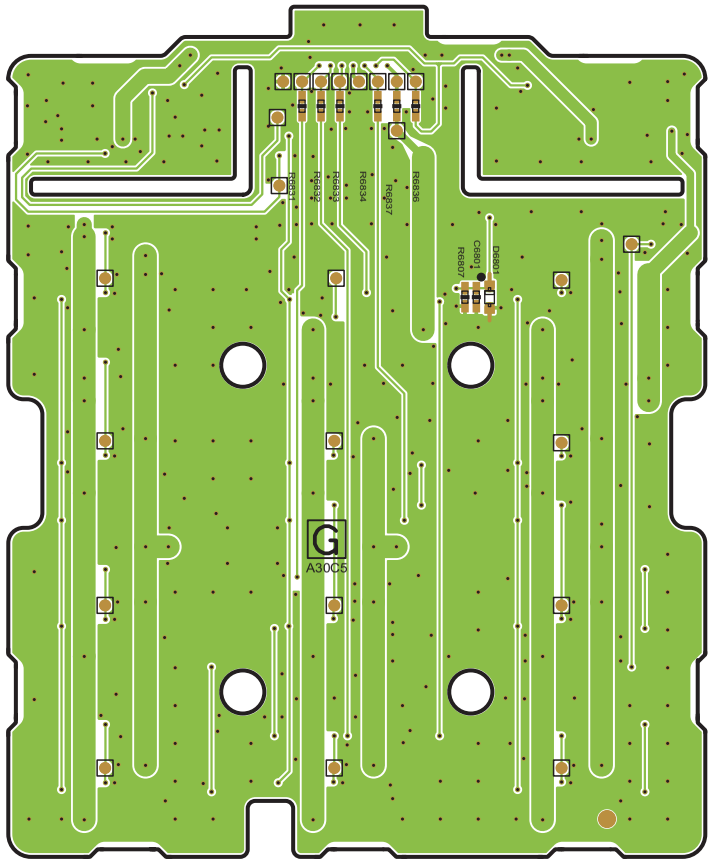


MAIN
"K8M"

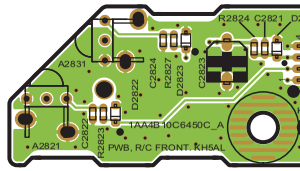
CONTROL (SIDE:B)

MAIN
"K8X"

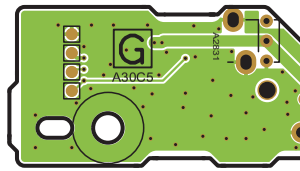




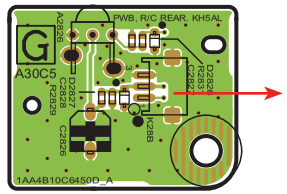
R/C1 (SIDE:A)



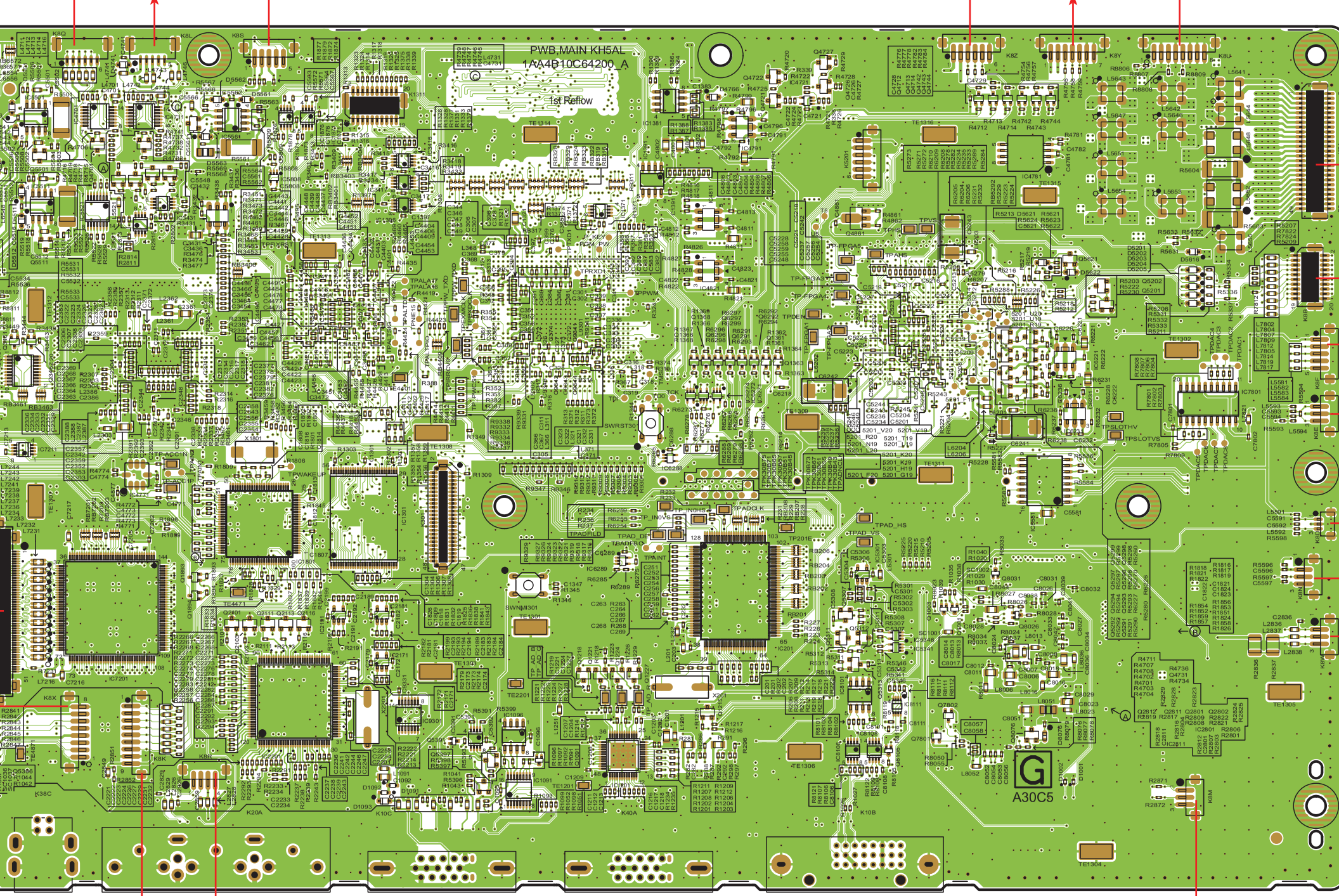
R/C1 (SIDE:B)

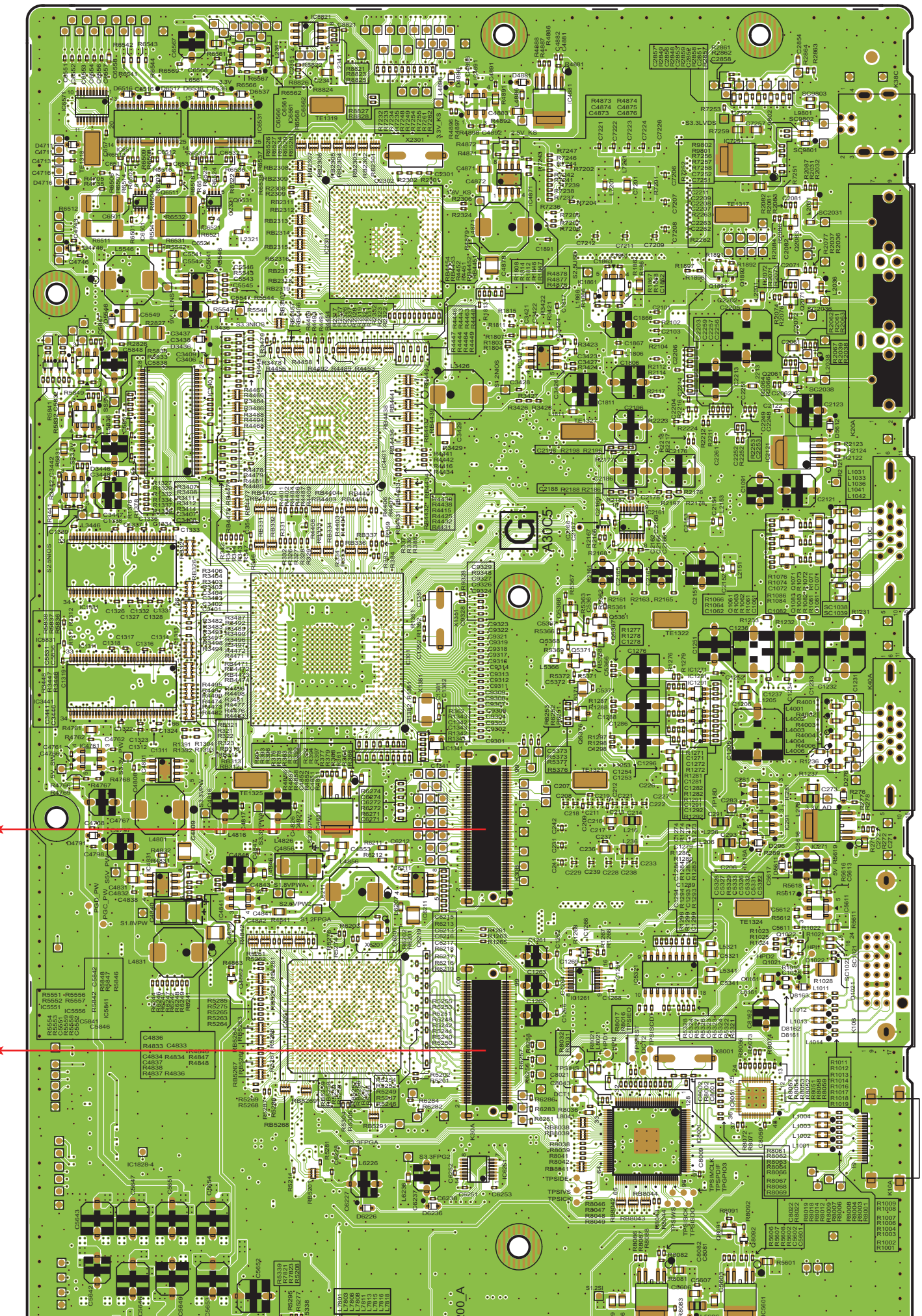


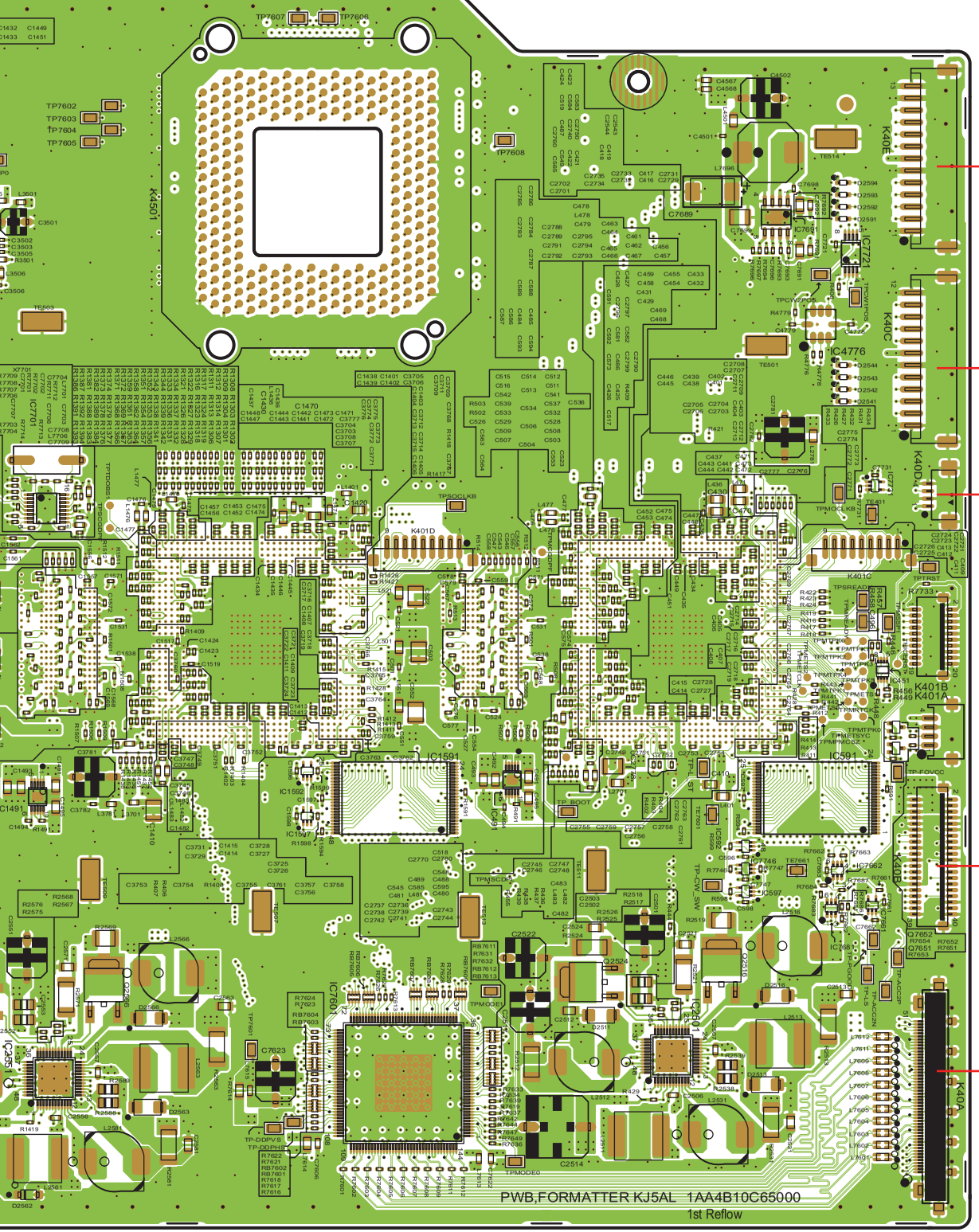
R/C2 (SIDE:A)



R/C2 (SIDE:B)


PWB,MAIN KH5AL
1AA4B10C64200_A
1st Reflow
A30C5
R/C1 "K28A"
LED "K9F"
LED LIGHT
"K19A"





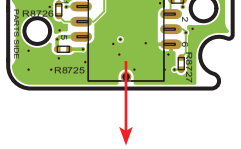
CW UNIT2

CW UNIT1

DYNAMIC BLACK

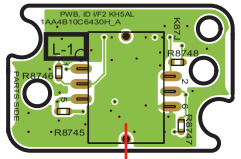
MAIN "K8P"

MAIN "K10L"



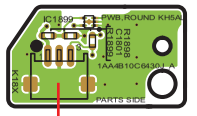
LAMP ID2

ID I/F2 (SIDE:A)



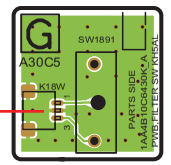
LAMP ID1

HALL SENSOR (SIDE:A)

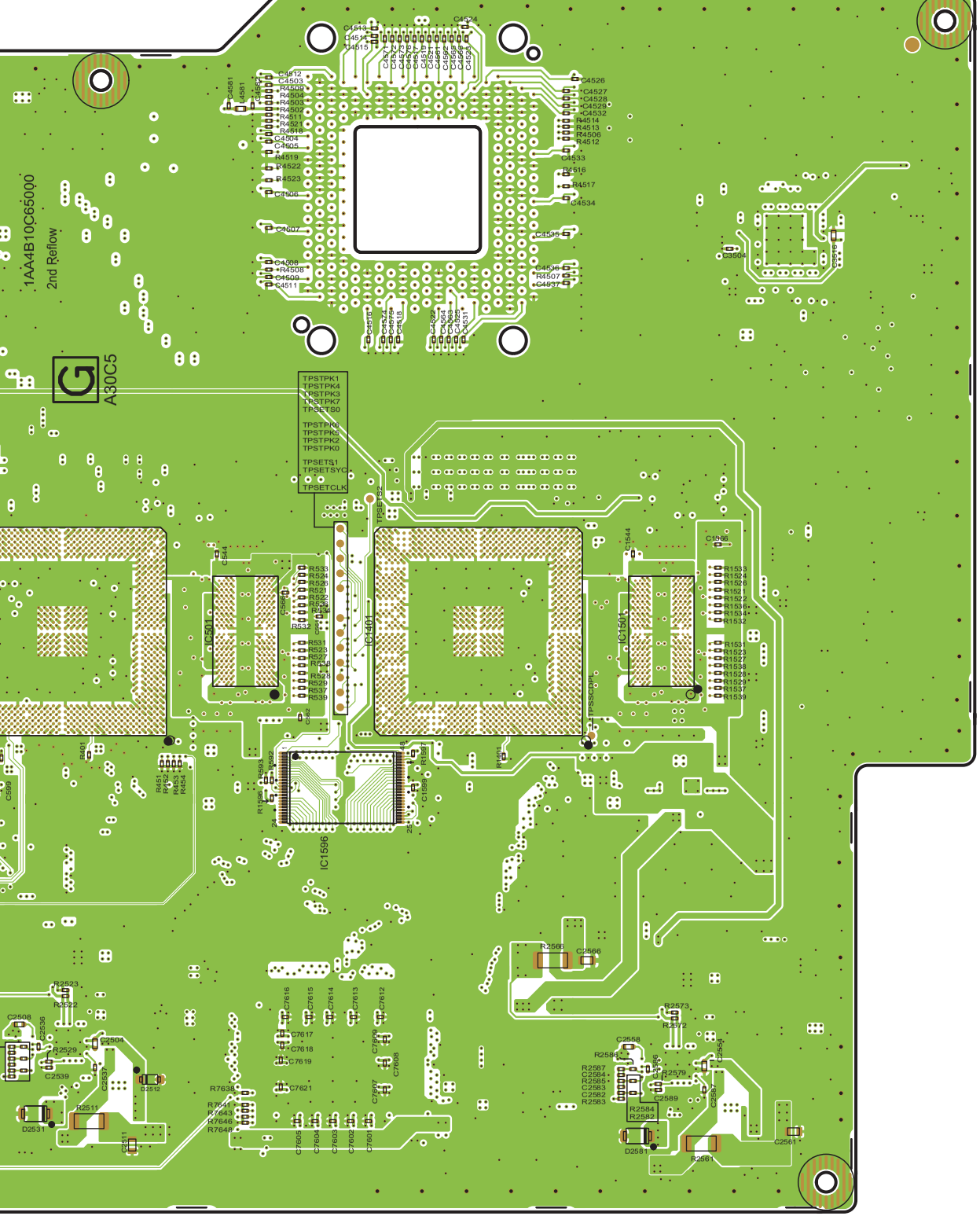


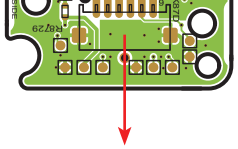
MAIN "K8E"

FILTER SW (SIDE:A)



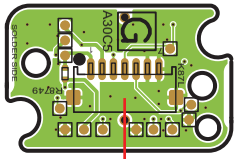
MAIN "K8D"





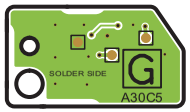
MAIN
“K8Z”

ID I/F2 (SIDE:B)

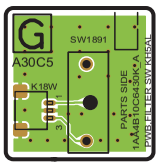


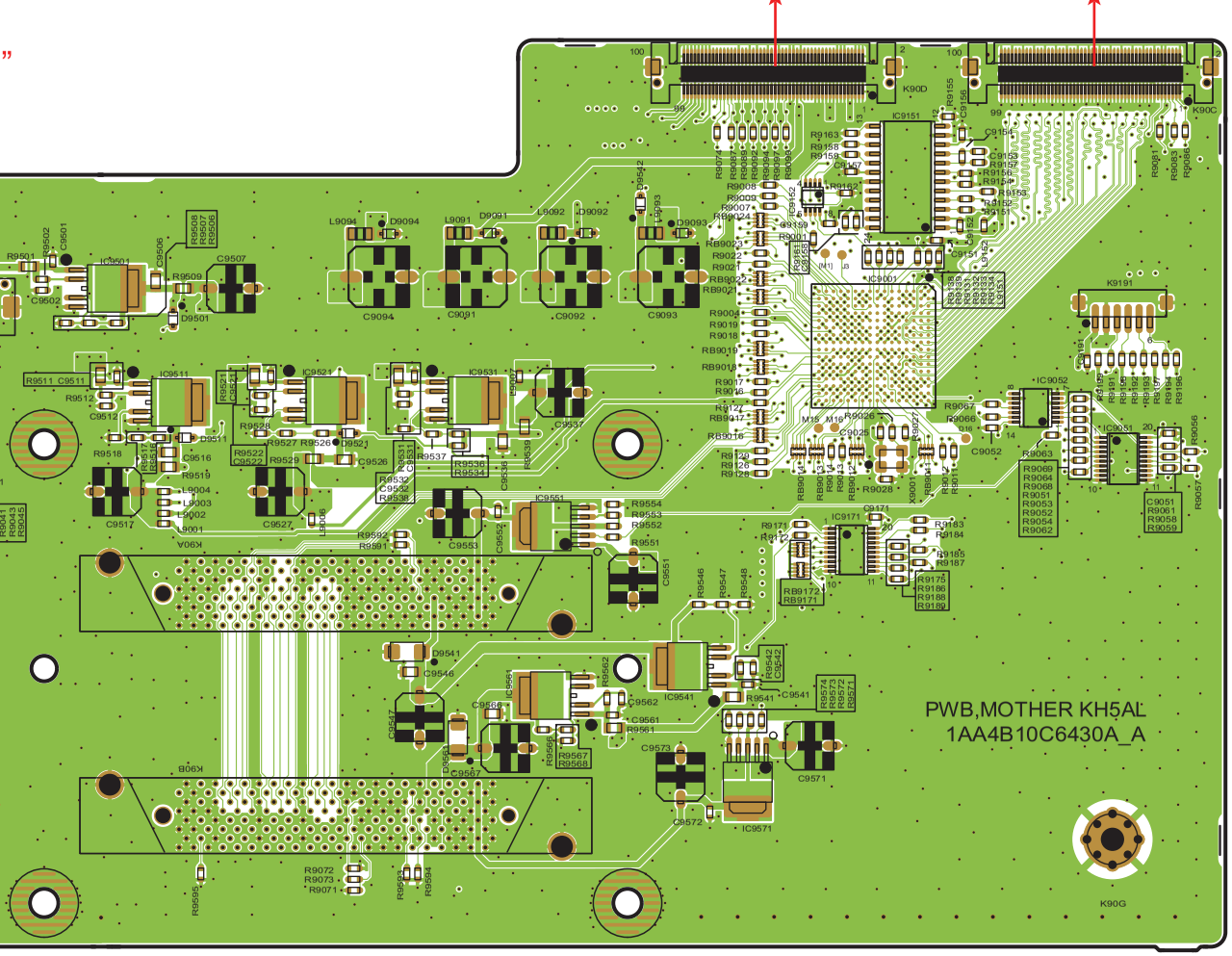
MAIN
“K8Y”

HALL SENSOR (SIDE:B)

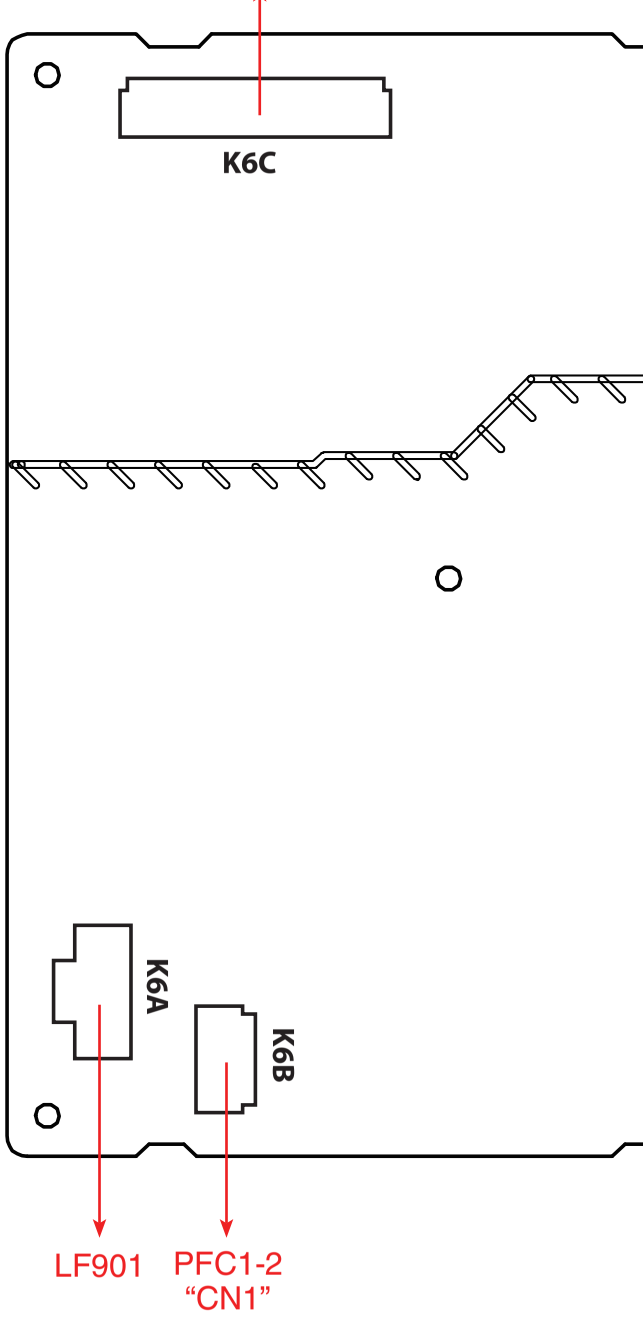


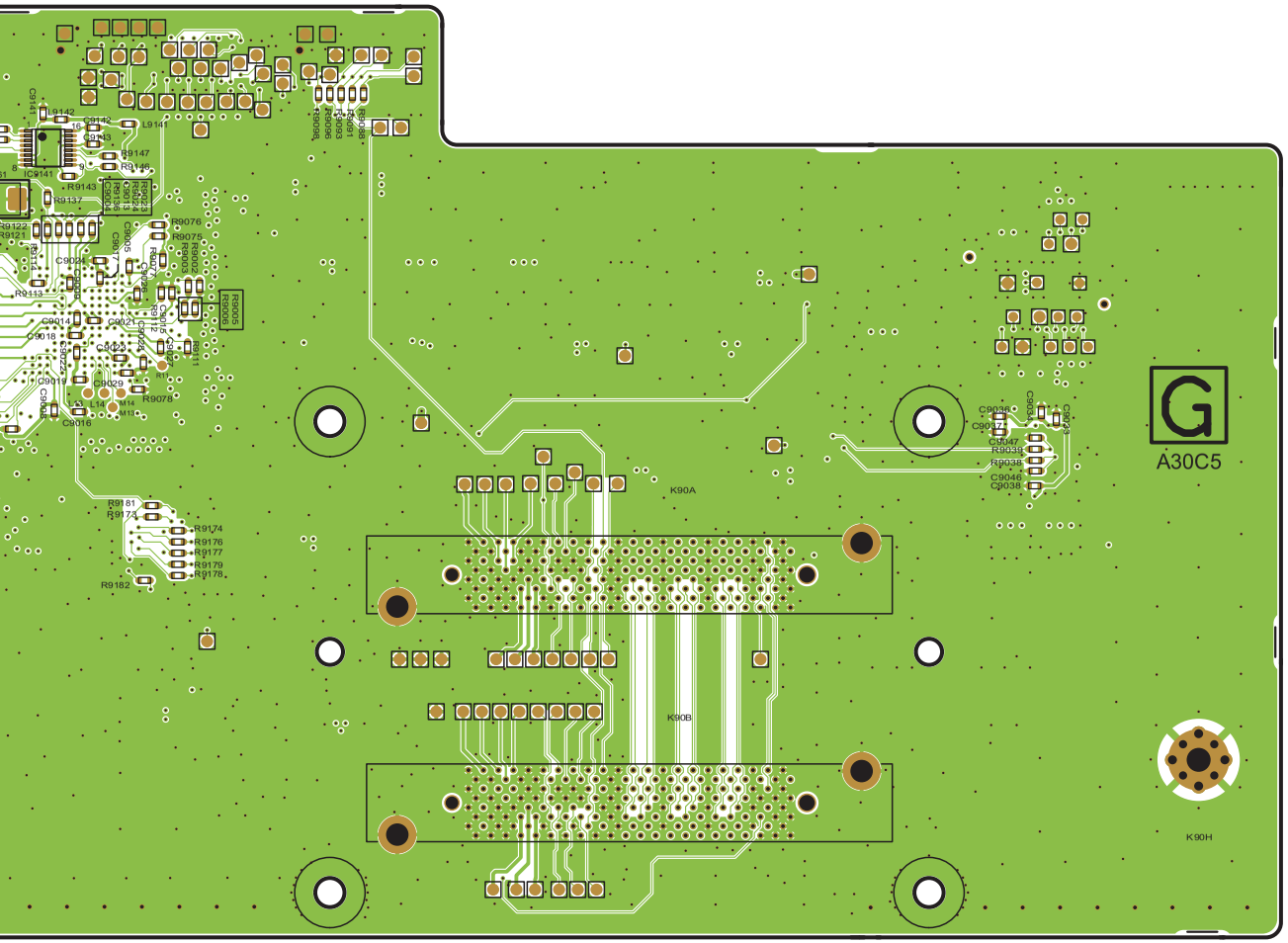
FILTER SW (SIDE:B)



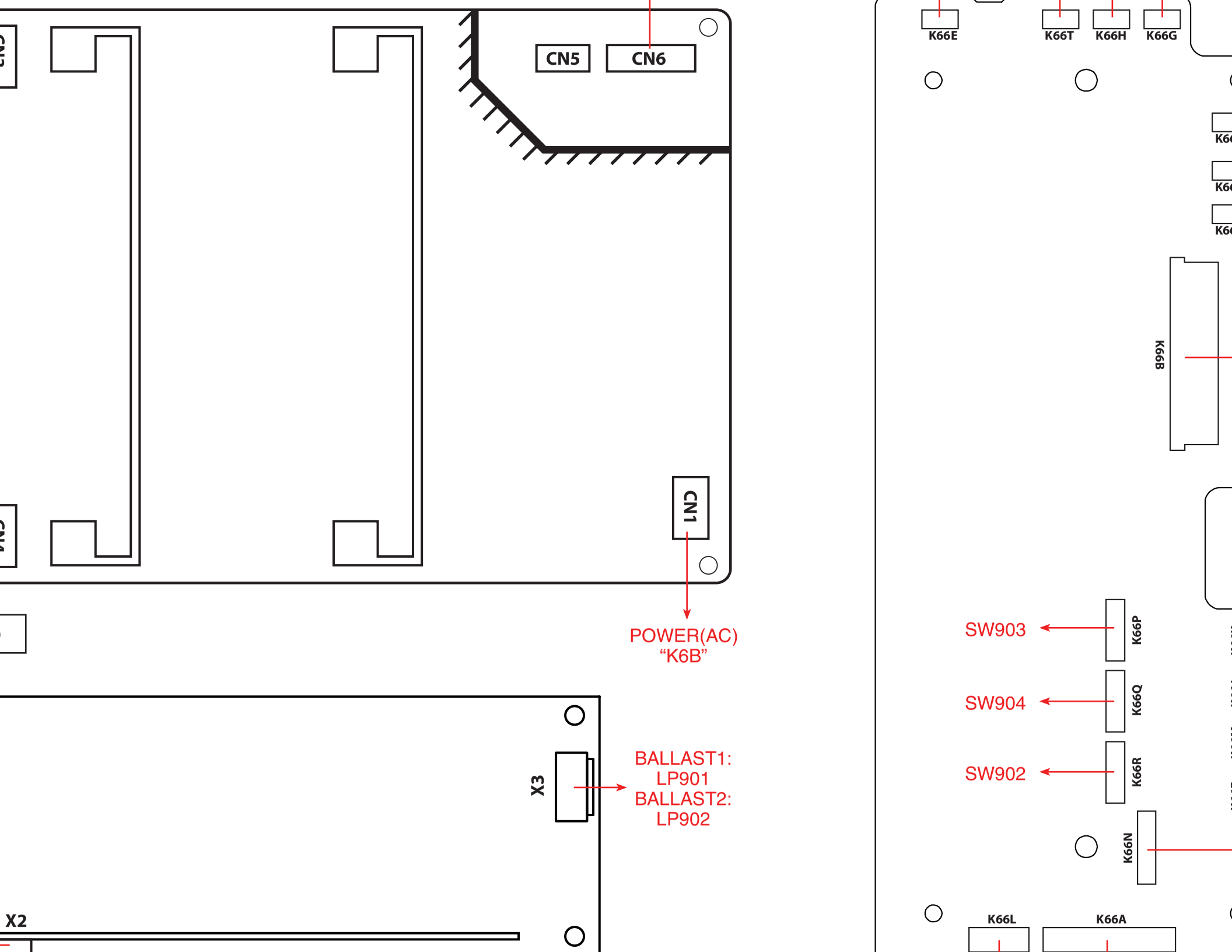

PWB,MOTHER KH5AL
1AA4B10C6430A_A

:A)


K6C
K6A
K6B
LF901
PFC1-2
“CN1”

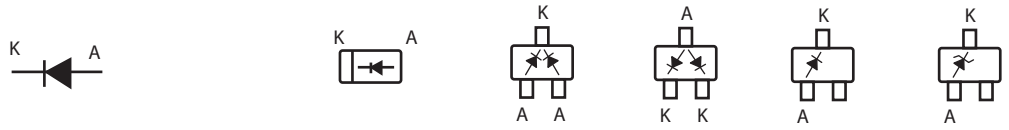


E:B)


CN5
CN6
CN1
POWER(AC)
"K6B"
X3
BALLAST1:
LP901
BALLAST2:
LP902
X2
K66E
K66T
K66H
K66G
K66B
SW903
K66P
SW904
K66Q
SW902
K66R
K66N
K66L
K66A

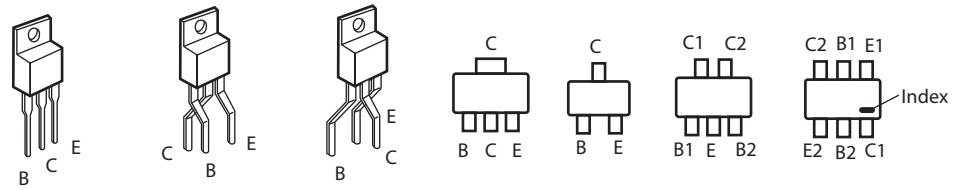
Pin description of diode, transistor and IC

● Diode



K: Cathode
A: Anode

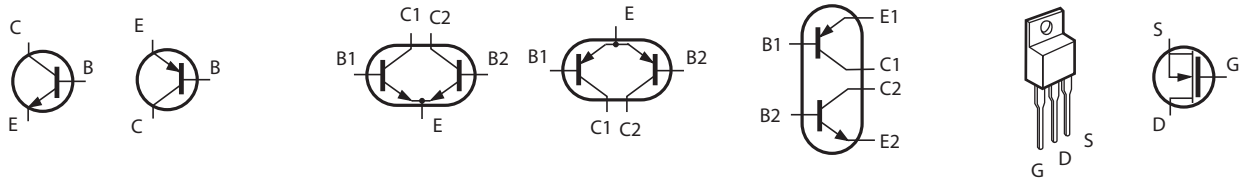
● Transistor/FET



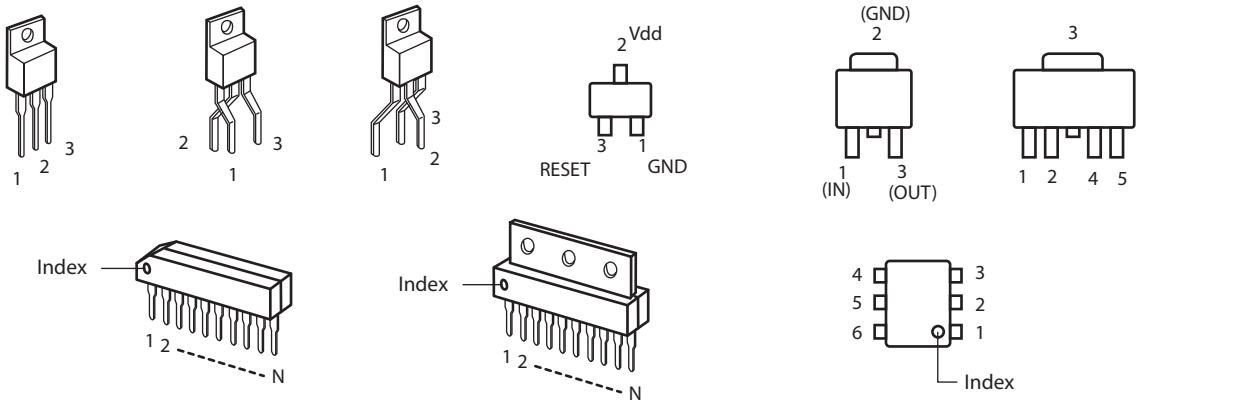
C: Collector
B: Base
E: Emitter

D: Drain
G: Gate
S: Source

FET



● IC



Note on Soldering

Do not use solder containing lead.

This product has been manufactured using lead-free solder in order to help preserve the environment.

Because of this, be sure to use lead-free solder when carrying out repair work, and never use solder containing lead.

Lead-free solder has a melting point that is 30–40 °C (86–104 °F) higher than solder containing lead, and moreover it does not contain lead which attaches easily to other metals. As a result, it does not melt as easily as solder containing lead, and soldering will be more difficult even if the temperature of the soldering iron is increased.

The extra difficulty in soldering means that soldering time will increase and damage to the components or the circuit board may easily occur.

Because of this, you should use a soldering iron and solder that satisfy the following conditions when carrying out repair work. Also, soldering work must be done in a short time.

Soldering iron

Use a soldering iron which is 70 W or equivalent, and which lets you adjust the tip temperature up to 450 °C (842 °F) It should also have as good temperature recovery characteristics as possible.

Solder

Use solder with the metal content and composition ratio by weight given in the table below. Do not use solders which do not meet these conditions.

Metal content	Tin (Sn)	Silver (Ag)	Copper (Cu)
Composition ratio by weight	96.5 %	3.0 %	0.5 %

Note:

If replacing existing solder containing lead with lead-free solder in the soldered parts of products that have been manufactured up until now, remove all of the existing solder at those parts before applying the lead-free solder.